



REMEDIATION WORK PLAN

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

May 21, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



May 21, 2025

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

RE: REMEDIATION WORK PLAN

LOCATION: State R #004

WELL API: 30-025-36544

GPS: 32.5196419, -103.4206161

INCIDENT LOCATION: B-01-T21S-R34E

COUNTY: Lea

NMOCD REF. NO. NLWH0419454158

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Remediation Work Plan for a brine release that occurred at the State R #004 (State R). The complaint was assigned incident NLWH0419454158 by the New Mexico Oil Conservation Division (NMOCD).

RELEASE INFORMATION

NLWH0419454158: On July 12, 2004, a complaint was filed for a brine released near well head, ran off S/E edge of location into the pasture.

SITE CHARACTERIZATION

The State R is located approximately ten (10) miles Northwest of Eunice, NM. This spill site is in Unit B, Section 01, Township 21S, Range 34E, Latitude 32.5196419 Longitude -103.4206161, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up 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. The soil in this area is made up of Berino-Cacique loamy fine sands association according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the State R (Figure 3). Reference Figure 2 for a Topographic Map.

Based on the well water data from the New Mexico Office of the State Engineer water well (CP-01970-POD1), the depth to the nearest groundwater in this vicinity measures 55 feet below grade surface (BGS), positioned 0.41 of a mile away from the State R. Drilled on July 27, 2023. Conversely, as per the United States Geological Survey well water data (USGS323032103250401), the nearest groundwater depth in this region is recorded at 68 feet BGS, situated approximately 0.27 of a mile away from the State, with the last gauge conducted on December 18, 2015. Depth to groundwater at the State R will be classified 51-100' BGS. Referenced water surveys, pod information, and water-related maps can be found in Appendix A.



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REMEDIATION ACTIVITIES, SITE ASSESSMENT, AND SOIL SAMPLING RESULTS

On October 25, 2023, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the accompanying data table in Figure 4. Complete Laboratory Reports can be found in Appendix E. A Site Map can be found in Figure 5.

On January 22, 2024, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the area of S4 to a depth of 1' BGS, totaling approximately 139 cubic yards. The area underlying S5 was excavated to a depth of 2' deep, totaling approximately 124 cubic yards. The area of S9 was excavated to a depth of 3' deep, totaling approximately 140 cubic yards. The areas underlying S6 and S13 through S18 were excavated to a depth of 4' deep, totaling 2,175 cubic yards. The contaminated soil totaling approximately 2,578 cubic yards was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On January 25, 2024, after sending a 48-hour notification, application ID:306595 (Appendix C), Pima returned to the site to collect confirmation samples of the excavation. The results of this sampling event can be found in the accompanying data table in Figure 4. Complete Laboratory Reports can be found in Appendix E. The rejected Confirmation Sample Map can be found in Figure 6.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was sufficiently removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

A Closure Report was submitted to the NMOCD on February 20, 2024, and was subsequently denied on February 23, 2024.

COUNTERMEASURES DUE TO REJECTION

On February 23, 2024, the NMOCD denied the Closure Report citing:

"The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for Incident ID (n#) nLWH0419454158.

- **Horizontal delineation must meet the requirements of the reclamation standards 19.15.29.13 NMAC (600 mg/kg Cl, 100 mg/kg TPH, 50 mg/kg BTEX, 10 mg/kg benzene) or OCD approved "background" values for the upper 4 feet of the impacted area. – Per 19.15.29.13.D(1) The reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. O-S-1 @ 3' has 1,030 mg/kg of Cl and was not excavated or horizontally delineated. -Per 19.15.29.12.E(1)(a) a scaled site and sampling diagram Figure 5 with the confirmation bottom samples and sidewall samples is almost impossible to determine was confirmation samples were taken and where. Please provide details of each excavation area with sampling that is readable and able to determine which samples were taken to ensure closure requirements have been met.**



The rejected C-141 can be found in the OCD Online: Permitting- Action Status, under Application ID: 316064. Please review and make the required correction(s) prior to resubmitting. "If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

REMEDIATION WORK PLAN

In response to the rejected report, Pima would like to propose the following Remediation Plan for consideration and approval:

1. Included in this Remediation Work Plan is a Proposed Sampling Map (A) (Figure 7) showing twenty (20) horizontal samples, to be collected as delineation samples. These samples will be collected from surface, 1', 2', 3', and 4' bgs.
2. Also included in Proposed Sampling Map (B) (Figure 8) are five (5) 5-point composite samples representing an area of no more than 200 ft² that will be collected in excavated area of sample point S4 shown on the Site Map in Figure 5. These confirmation samples were not collected and should have been included in the initial Closure Report. The required 48-hour sampling notification will be submitted before this sampling event occurs.
3. In the event that impact is encountered and samples come back over the regulatory limits, Devon Energy proposes to dig and haul contaminated soil to remediate/reclaim the site. After remediation, Devon will submit a 48-hour sampling notification before collecting 5-point confirmation samples representing a surface area of no more than 200 ft².
4. The area of S1 with a total of 1,030 mg/kg for chlorides was not excavated because it is located on the pad, and does not require remediation, reference Site Map in Figure 5. Sample point S1 was delineated at 4' showing 509 mg/kg for chlorides. No further delineation or remediation is required for that sample point.
5. New Confirmation Sample Maps A, B, C & D (Figures 9-12) are included in this Remediation Work Plan that clearly depicts what confirmation samples were collected and where.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@dv.com.

Pima Environmental – DelRae Geller at 806-724-5391 or delrae@pimaoil.com.

Respectfully,

DelRae Geller

DelRae Geller

Project Manager

Pima Environmental Services, LLC

ATTACHMENTS



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FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map
- 6- Rejected Confirmation Sample Map
- 7- Proposed Sampling Map (A)
- 8- Proposed Sampling Map (B)
- 9- Confirmation Sample Map (A)
- 10- Confirmation Sample Map (B)
- 11- Confirmation Sample Map (C)
- 12- Confirmation Sample Map (D)

APPENDICES:

- Appendix A – Water Surveys and Water Related Maps
- Appendix B – Soil Survey, Geological Data
- Appendix C – 48-Hour Sampling Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports

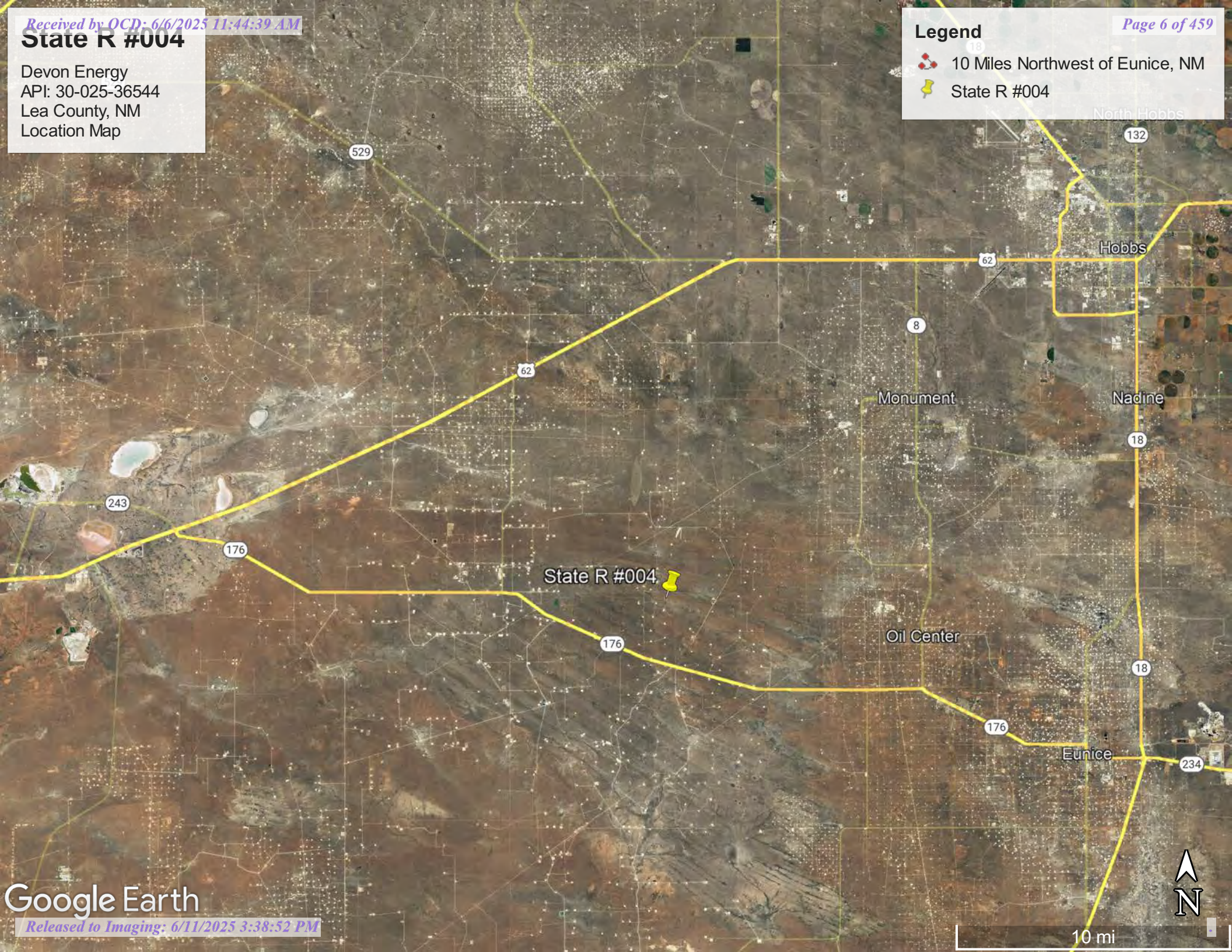


State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Location Map

Legend

- 10 Miles Northwest of Eunice, NM
- State R #004

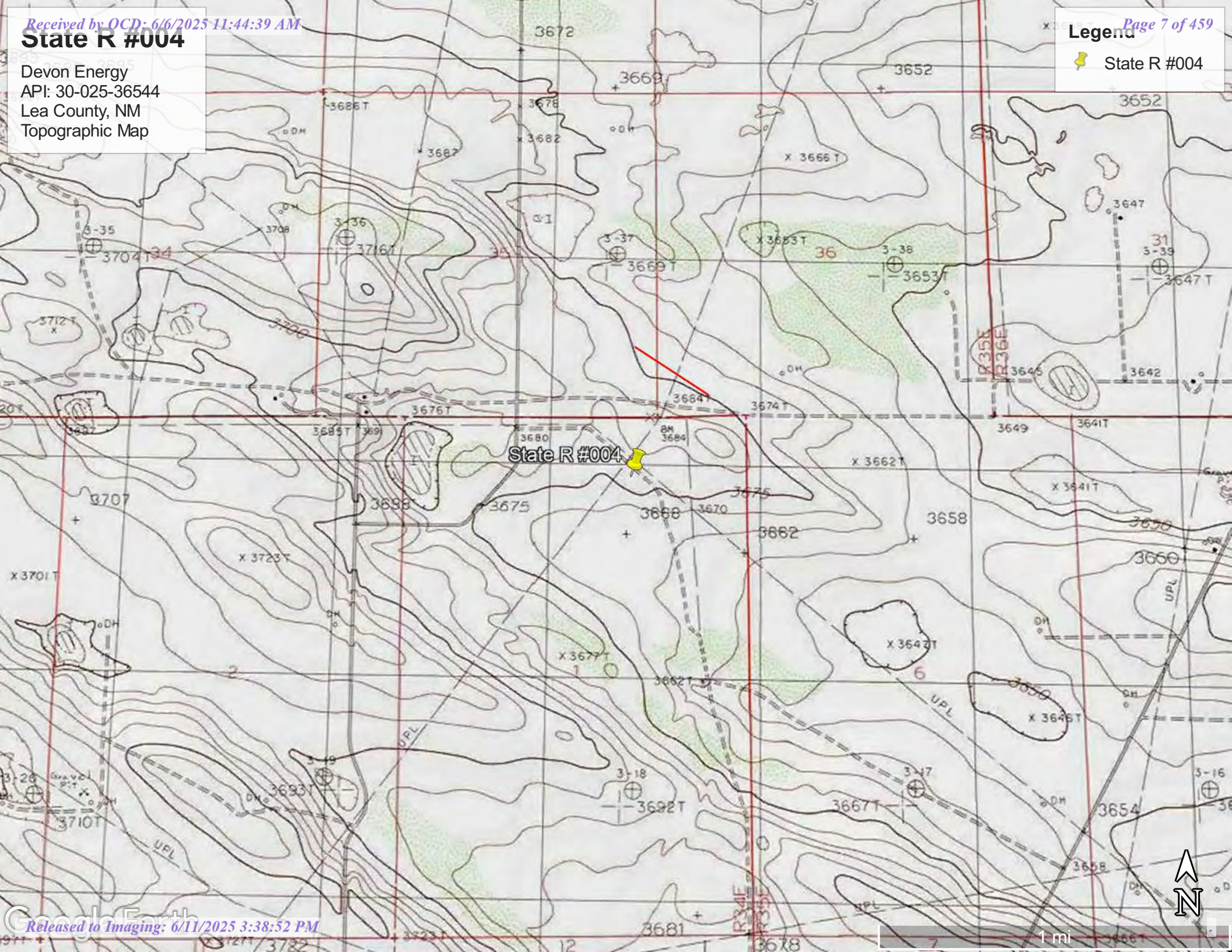


State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Topographic Map

Legend

 State R #004

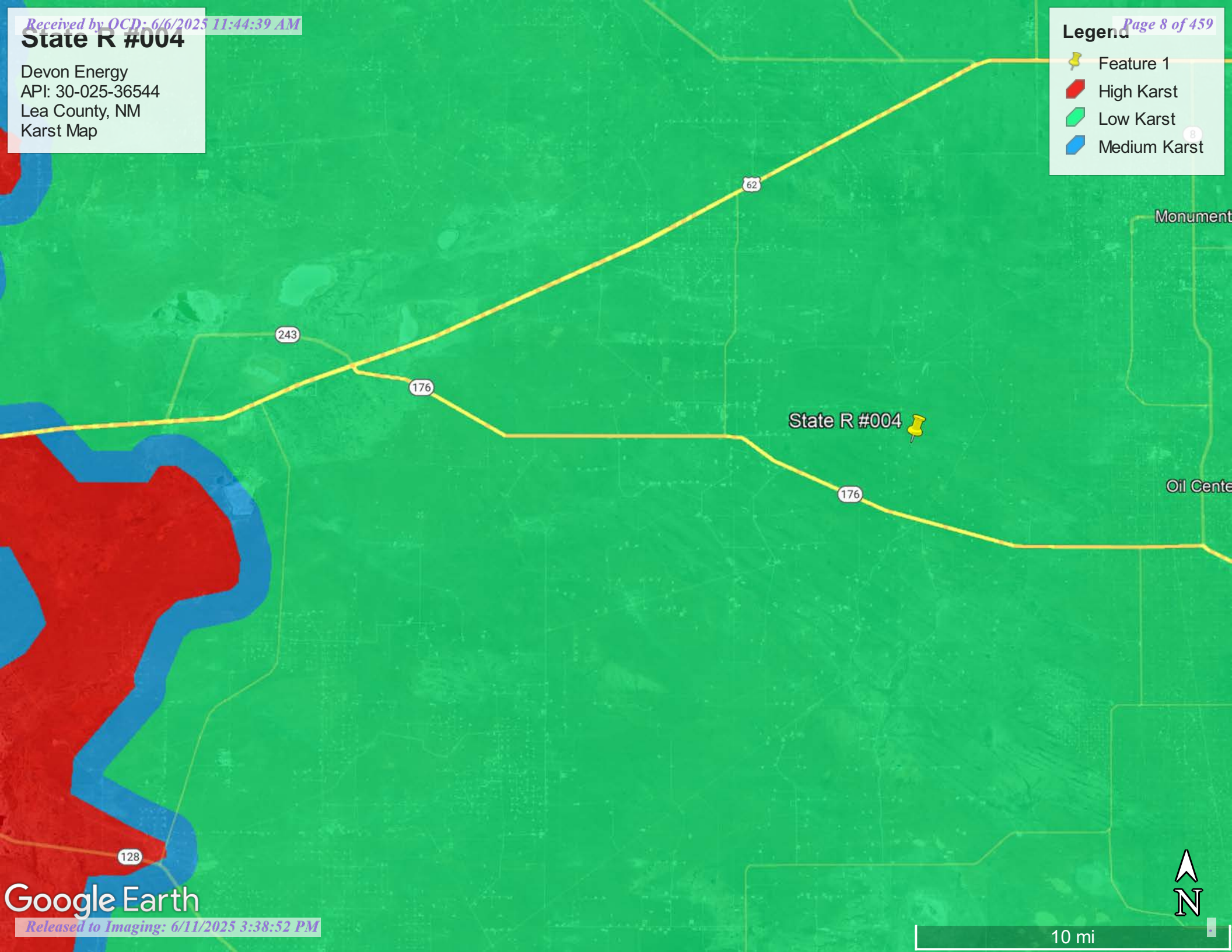


State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Karst Map

Legend

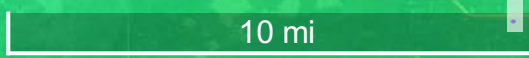
- Feature 1
- High Karst
- Low Karst
- Medium Karst



Monument

Oil Center

State R #004



DATA TABLES

10-25-2023 Assessment Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY - STATE R #4								
Sample Date: 10/25/23		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	221
	3'	ND	ND	ND	ND	ND	0	1030
	4'	ND	ND	ND	ND	ND	0	509
S-2	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	112
	3'	ND	ND	ND	ND	ND	0	506
	4'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	258
	2'	ND	ND	ND	ND	ND	0	189
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	297
S-4	1'	ND	ND	ND	ND	655	655	140
	2'	ND	ND	ND	ND	ND	0	294
	3'	ND	ND	ND	ND	ND	0	120
	4'	ND	ND	ND	ND	ND	0	138
S-5	1'	ND	ND	ND	ND	ND	0	135
	2'	ND	ND	ND	ND	ND	0	692
	3'	ND	ND	ND	ND	ND	0	411
	4'	ND	ND	ND	ND	ND	0	236
S-6	1'	ND	ND	ND	ND	ND	0	760
	2'	ND	ND	ND	ND	ND	0	122
	3'	ND	ND	ND	ND	ND	0	152
	4'	ND	ND	ND	42.6	27.3	69.9	340



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DEVON ENERGY - STATE R #4								
Sample Date: 10/25/23		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
S-7	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	54
	3'	ND	ND	ND	ND	ND	0	361
	4'	ND	ND	ND	ND	ND	0	94.6
S-8	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	30.7
	3'	ND	ND	ND	ND	ND	0	174
	4'	ND	ND	ND	ND	ND	0	73.3
S-9	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	102
	3'	ND	ND	ND	62.3	152	214.3	539
	4'	ND	ND	ND	ND	ND	0	171
S-10	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	159
	3'	ND	ND	ND	ND	ND	0	292
	4'	ND	ND	ND	ND	93.2	93.2	115
S-11	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	334
	3'	ND	ND	ND	ND	ND	0	313
	4'	ND	ND	ND	ND	ND	0	215
S-12	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	234
	3'	ND	ND	ND	ND	ND	0	292
	4'	ND	ND	ND	ND	ND	0	321
S-13	1'	ND	ND	ND	ND	ND	0	1660
	2'	ND	ND	ND	ND	ND	0	77.7
	3'	ND	ND	ND	ND	ND	0	226
	4'	ND	ND	ND	ND	58.2	58.2	170
S-14	1'	ND	ND	ND	ND	ND	0	465
	2'	ND	ND	ND	ND	ND	0	708
	3'	ND	ND	ND	ND	ND	0	230
	4'	ND	ND	ND	ND	ND	0	369



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DEVON ENERGY - STATE R #4								
Sample Date: 10/25/23		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
S-15	1'	ND	ND	ND	ND	ND	0	162
	2'	ND	ND	ND	ND	ND	0	1020
	3'	ND	ND	ND	ND	ND	0	921
	4'	ND	ND	ND	ND	ND	0	445
S-16	1'	ND	ND	ND	29.9	247	276.9	238
	2'	ND	ND	ND	ND	0	0	403
	3'	ND	ND	ND	30.7	102	132.7	1290
	4'	ND	ND	ND	ND	93	93	435
S-17	1'	ND	ND	ND	ND	ND	0	118
	2'	ND	ND	ND	ND	107	107	146
	3'	ND	ND	ND	ND	ND	0	968
	4'	ND	ND	ND	ND	ND	0	360
S-18	1'	ND	ND	ND	ND	ND	0	357
	2'	ND	ND	ND	ND	ND	0	113
	3'	ND	ND	ND	ND	ND	0	240
	4'	ND	ND	ND	ND	ND	0	170
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	ND	ND	0	ND
SW 5	6"	ND	ND	ND	ND	ND	0	ND
SW 6	6"	ND	ND	ND	ND	ND	0	ND
SW 7	6"	ND	ND	ND	ND	ND	0	ND
SW 8	6"	ND	ND	ND	ND	ND	0	ND
SW 9	6"	ND	ND	ND	ND	ND	0	ND
SW 10	6"	ND	ND	ND	ND	ND	0	ND
SW 11	6"	ND	ND	ND	ND	ND	0	ND
SW 12	6"	ND	ND	ND	ND	ND	0	ND
SW 13	6"	ND	ND	ND	ND	ND	0	ND
SW 14	6"	ND	ND	ND	ND	ND	0	ND
SW 15	6"	ND	ND	ND	ND	ND	0	ND
SW 16	6"	ND	ND	ND	ND	ND	0	ND
SW 17	6"	ND	ND	ND	ND	ND	0	ND



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DEVON ENERGY - STATE R #4								
Sample Date: 10/25/23		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
SW 18	6"	ND	ND	ND	ND	ND	0	ND
SW 19	6"	ND	ND	ND	ND	ND	0	ND
SW 20	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

1-25-2024 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100 ')								
Devon- State R #004								
1/25/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS1	1'	ND	ND	ND	ND	ND	0	ND
CS2	1'	ND	ND	ND	ND	ND	0	ND
CS3	1'	ND	ND	ND	ND	ND	0	ND
CS4	1'	ND	ND	ND	ND	ND	0	ND
CS5	1'	ND	ND	ND	ND	ND	0	ND
CS6	1'	ND	ND	ND	ND	ND	0	ND
CS7	1'	ND	ND	ND	ND	ND	0	ND
CS8	1'	ND	ND	ND	ND	ND	0	ND
CS9	1'	ND	ND	ND	ND	ND	0	ND
CS10	1'	ND	ND	ND	ND	ND	0	ND



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Devon- State R #004								
1/25/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CS11	1'	ND	ND	ND	ND	ND	0	ND
CS12	1'	ND	ND	ND	ND	ND	0	ND
CS13	1'	ND	ND	ND	ND	ND	0	ND
CS14	1'	ND	ND	ND	ND	ND	0	ND
CS15	1'	ND	ND	ND	ND	ND	0	ND
CS16	1'	ND	ND	ND	ND	ND	0	ND
CS17	1'	ND	ND	ND	ND	ND	0	ND
CS18	1'	ND	ND	ND	ND	ND	0	ND
CS19	2'	ND	ND	ND	ND	ND	0	ND
CS20	2'	ND	ND	ND	ND	ND	0	ND
CS21	2'	ND	ND	ND	ND	ND	0	ND
CS22	2'	ND	ND	ND	ND	ND	0	ND
CS23	2'	ND	ND	ND	ND	ND	0	ND
CS24	2'	ND	ND	ND	ND	ND	0	ND
CS25	2'	ND	ND	ND	ND	ND	0	ND
CS26	2'	ND	ND	ND	ND	ND	0	ND
CS27	4'	ND	ND	ND	ND	ND	0	ND
CS28	4'	ND	ND	ND	ND	ND	0	ND
CS29	4'	ND	ND	ND	ND	ND	0	ND
CS30	4'	ND	ND	ND	ND	ND	0	ND
CS31	3'	ND	ND	ND	ND	ND	0	ND
CS32	3'	ND	ND	ND	ND	ND	0	ND
CS33	3'	ND	ND	ND	ND	ND	0	ND
CS34	3'	ND	ND	ND	ND	ND	0	ND
CS35	3'	ND	ND	ND	ND	ND	0	ND
CS36	3'	ND	ND	ND	ND	ND	0	ND



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Devon- State R #004								
1/25/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CS37	4'	ND	ND	ND	ND	ND	0	ND
CS38	4'	ND	ND	ND	ND	ND	0	ND
CS39	4'	ND	ND	ND	ND	ND	0	ND
CS40	4'	ND	ND	ND	ND	ND	0	ND
CS41	4'	ND	ND	ND	ND	ND	0	ND
CS42	4'	ND	ND	ND	ND	ND	0	ND
CS43	4'	ND	ND	ND	ND	ND	0	ND
CS44	4'	ND	ND	ND	ND	ND	0	ND
CS45	4'	ND	ND	ND	ND	ND	0	ND
CS46	4'	ND	ND	ND	ND	ND	0	ND
CS47	4'	ND	ND	ND	ND	ND	0	ND
CS48	4'	ND	ND	ND	ND	ND	0	ND
CS49	4'	ND	ND	ND	ND	ND	0	ND
CS50	4'	ND	ND	ND	ND	ND	0	ND
CS51	4'	ND	ND	ND	ND	ND	0	ND
CS52	4'	ND	ND	ND	ND	ND	0	ND
CS53	4'	ND	ND	ND	ND	ND	0	ND
CS54	4'	ND	ND	ND	ND	ND	0	ND
CS55	4'	ND	ND	ND	ND	ND	0	ND
CS56	4'	ND	ND	ND	ND	ND	0	ND
CS57	4'	ND	ND	ND	ND	ND	0	ND
CS58	4'	ND	ND	ND	ND	ND	0	ND
CS59	4'	ND	ND	ND	ND	ND	0	ND
CS60	4'	ND	ND	ND	ND	ND	0	ND
CS61	4'	ND	ND	ND	ND	ND	0	ND
CS62	4'	ND	ND	ND	ND	ND	0	ND



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NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100 ')								
Devon- State R #004								
1/25/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CS63	4'	ND	ND	ND	ND	ND	0	ND
CS64	4'	ND	ND	ND	ND	ND	0	ND
CS65	4'	ND	ND	ND	ND	ND	0	ND
CS66	4'	ND	ND	ND	ND	ND	0	ND
CS67	4'	ND	ND	ND	ND	ND	0	ND
CS68	4'	ND	ND	ND	ND	ND	0	ND
CS69	4'	ND	ND	ND	ND	ND	0	ND
CS70	4'	ND	ND	ND	ND	ND	0	ND
CS71	4'	ND	ND	ND	ND	ND	0	ND
CS72	4'	ND	ND	ND	ND	ND	0	ND
CS73	4'	ND	ND	ND	ND	ND	0	ND
CS74	4'	ND	ND	ND	ND	ND	0	ND
CS75	4'	ND	ND	ND	ND	ND	0	ND
CS76	4'	ND	ND	ND	ND	ND	0	ND
CS77	4'	ND	ND	ND	ND	ND	0	ND
CS78	4'	ND	ND	ND	ND	ND	0	ND
CS79	4'	ND	ND	ND	ND	ND	0	ND
CS80	4'	ND	ND	ND	ND	ND	0	ND
CS81	4'	ND	ND	ND	ND	ND	0	ND
CS82	4'	ND	ND	ND	ND	ND	0	ND
CS83	4'	ND	ND	ND	ND	ND	0	ND
CS84	4'	ND	ND	ND	ND	ND	0	ND
CS85	4'	ND	ND	ND	ND	ND	0	ND
CS86	4'	ND	ND	ND	ND	ND	0	ND
CS87	4'	ND	ND	ND	ND	ND	0	ND
CS88	4'	ND	ND	ND	ND	ND	0	ND



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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
CS89	4'	ND	ND	ND	ND	ND	0	ND
CS90	4'	ND	ND	ND	ND	ND	0	ND
CS91	4'	ND	ND	ND	ND	ND	0	ND
CS92	4'	ND	ND	ND	ND	ND	0	ND
CS93	4'	ND	ND	ND	ND	ND	0	ND
CS94	4'	ND	ND	ND	ND	ND	0	ND
CS95	4'	ND	ND	ND	ND	ND	0	ND
CS96	4'	ND	ND	ND	ND	ND	0	ND
CS97	4'	ND	ND	ND	ND	ND	0	ND
CS98	4'	ND	ND	ND	ND	ND	0	ND
CS99	4'	ND	ND	ND	ND	ND	0	ND
CS100	4'	ND	ND	ND	ND	ND	0	ND
CS101	4'	ND	ND	ND	ND	ND	0	ND
CSW1	4'	ND	ND	ND	ND	ND	0	ND
CSW2	4'	ND	ND	ND	ND	ND	0	ND
CSW3	4'	ND	ND	ND	ND	ND	0	ND
CSW4	4'	ND	ND	ND	ND	ND	0	ND
CSW5	4'	ND	ND	ND	ND	ND	0	ND
CSW6	4'	ND	ND	ND	ND	ND	0	ND
CSW7	4'	ND	ND	ND	ND	ND	0	ND
CSW8	3'	ND	ND	ND	ND	ND	0	ND
CSW9	3'	ND	ND	ND	ND	ND	0	ND
CSW10	3'	ND	ND	ND	ND	ND	0	ND
CSW11	4'	ND	ND	ND	ND	ND	0	ND
CSW12	4'	ND	ND	ND	ND	ND	0	ND
CSW13	4'	ND	ND	ND	ND	ND	0	ND
CSW14	4'	ND	ND	ND	ND	ND	0	ND
CSW15	3'	ND	ND	ND	ND	ND	0	ND



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State R #004 | NLWH0419454158

DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100 ')								
Devon- State R #004								
1/25/2024		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CSW16	3'	ND	ND	ND	ND	ND	0	ND
CSW17	3'	ND	ND	ND	ND	ND	0	ND
CSW18	4'	ND	ND	ND	ND	ND	0	ND
CSW19	4'	ND	ND	ND	ND	ND	0	ND
CSW20	4'	ND	ND	ND	ND	ND	0	ND
CSW21	4'	ND	ND	ND	ND	ND	0	ND
CSW22	3'	ND	ND	ND	ND	ND	0	ND
CSW23	3'	ND	ND	ND	ND	ND	0	ND
CSW24	2'	ND	ND	ND	ND	ND	0	ND
CSW25	2'	ND	ND	ND	ND	ND	0	ND
CSW26	2'	ND	ND	ND	ND	ND	0	ND
CSW27	4'	ND	ND	ND	ND	ND	0	ND
CSW28	4'	ND	ND	ND	ND	ND	0	ND
CSW29	4'	ND	ND	ND	ND	ND	0	ND
CSW30	4'	ND	ND	ND	ND	ND	0	ND
CSW31	4'	ND	ND	ND	ND	ND	0	ND
CSW32	2'	ND	ND	ND	ND	ND	0	ND
CSW33	2'	ND	ND	ND	ND	ND	0	ND
CSW34	1'	ND	ND	ND	ND	ND	0	ND
CSW35	1'	ND	ND	ND	ND	ND	0	ND
CSW36	1'	ND	ND	ND	ND	ND	0	ND
CSW37	1'	ND	ND	ND	ND	ND	0	ND
CSW38	1'	ND	ND	ND	ND	ND	0	ND
CSW39	1'	ND	ND	ND	ND	ND	0	ND
CSW40	1'	ND	ND	ND	ND	ND	0	ND
CSW41	1'	ND	ND	ND	ND	ND	0	ND
CSW42	1'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected



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State R #004 | NLWH0419454158

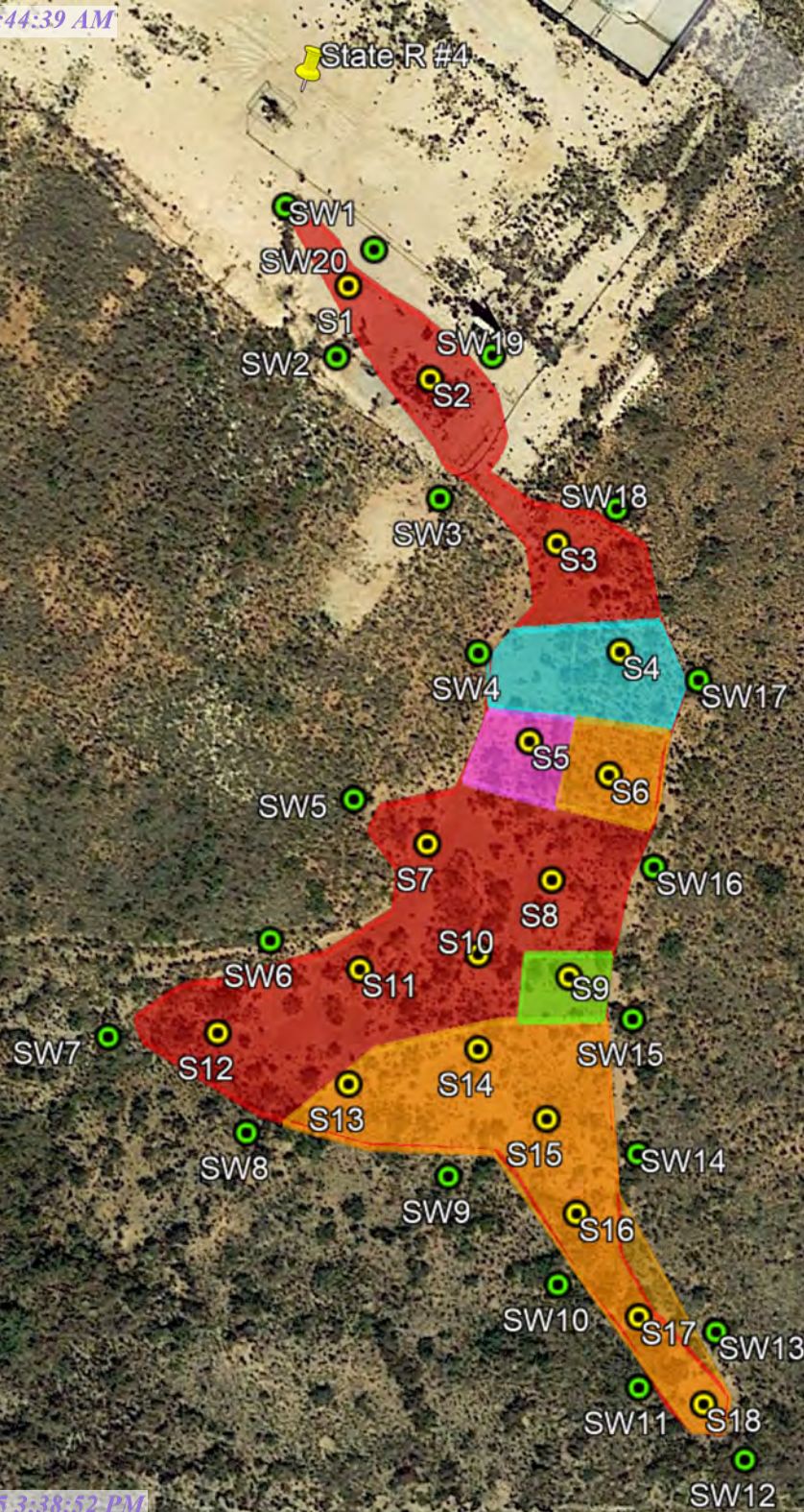
DEVON ENERGY PRODUCTION, LP.

State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Site Map

Legend

- S4- 1' deep- 139 CY
- S5- 2' deep- 124 CY
- S6/S13-S18 4' deep-2,175 CY
- S9- 3' deep-140 CY
- Samples
- Sidewalls
- State R #4 Spill Area





300 ft


State R #004

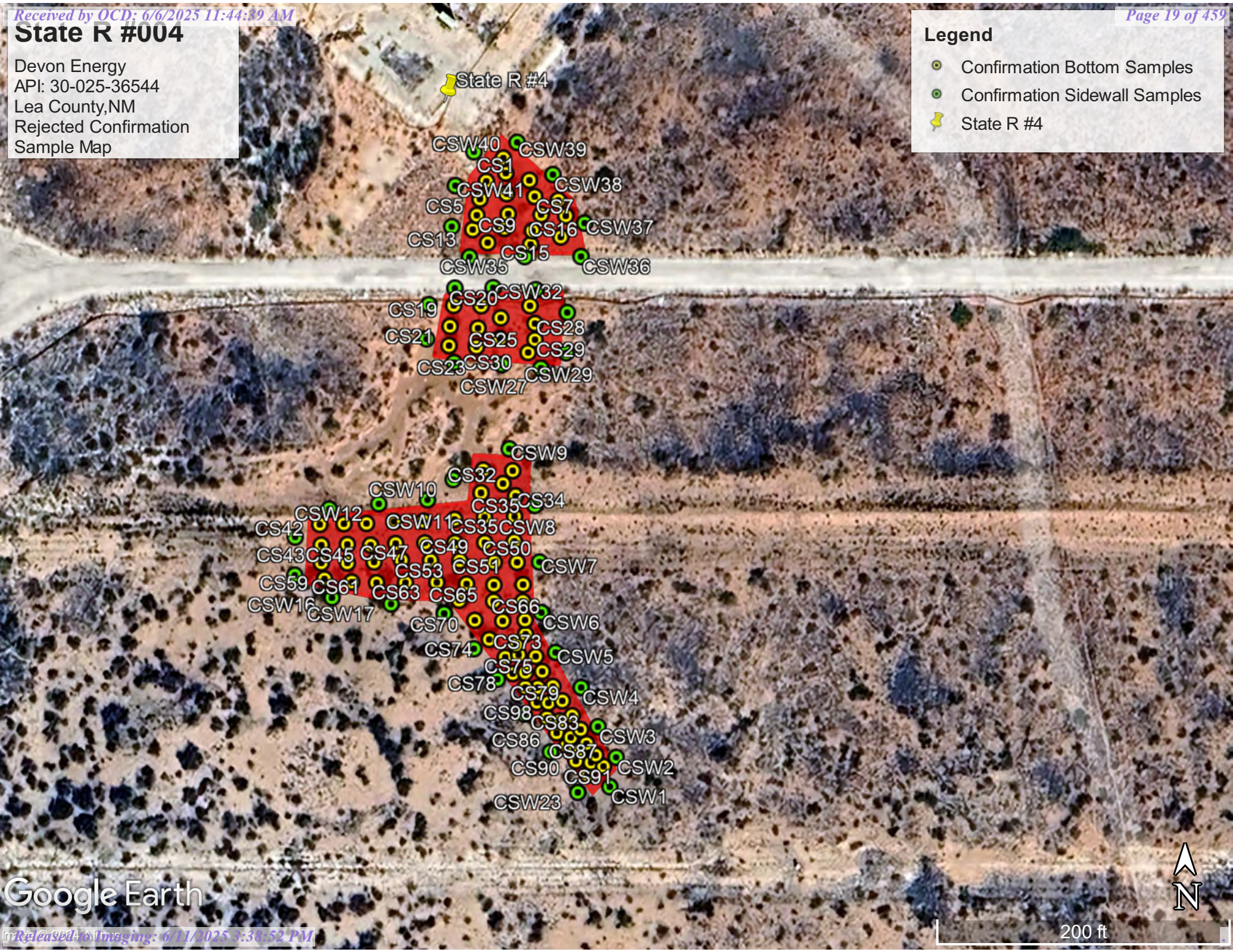
Devon Energy
API: 30-025-36544
Lea County, NM
Rejected Confirmation
Sample Map

Legend

 Confirmation Bottom Samples

 Confirmation Sidewall Samples

 State R #4



Google Earth

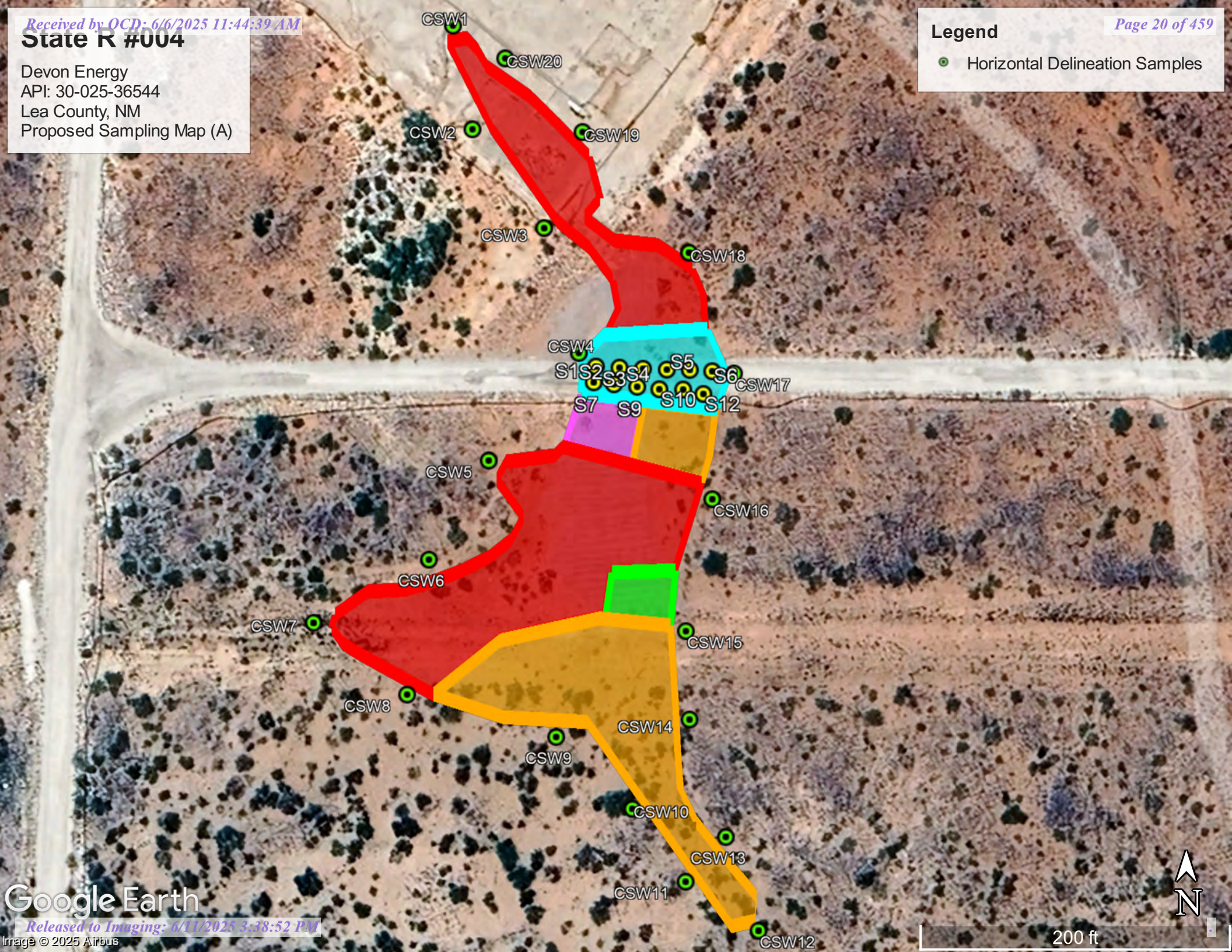
200 ft

State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Proposed Sampling Map (A)

Legend

● Horizontal Delineation Samples

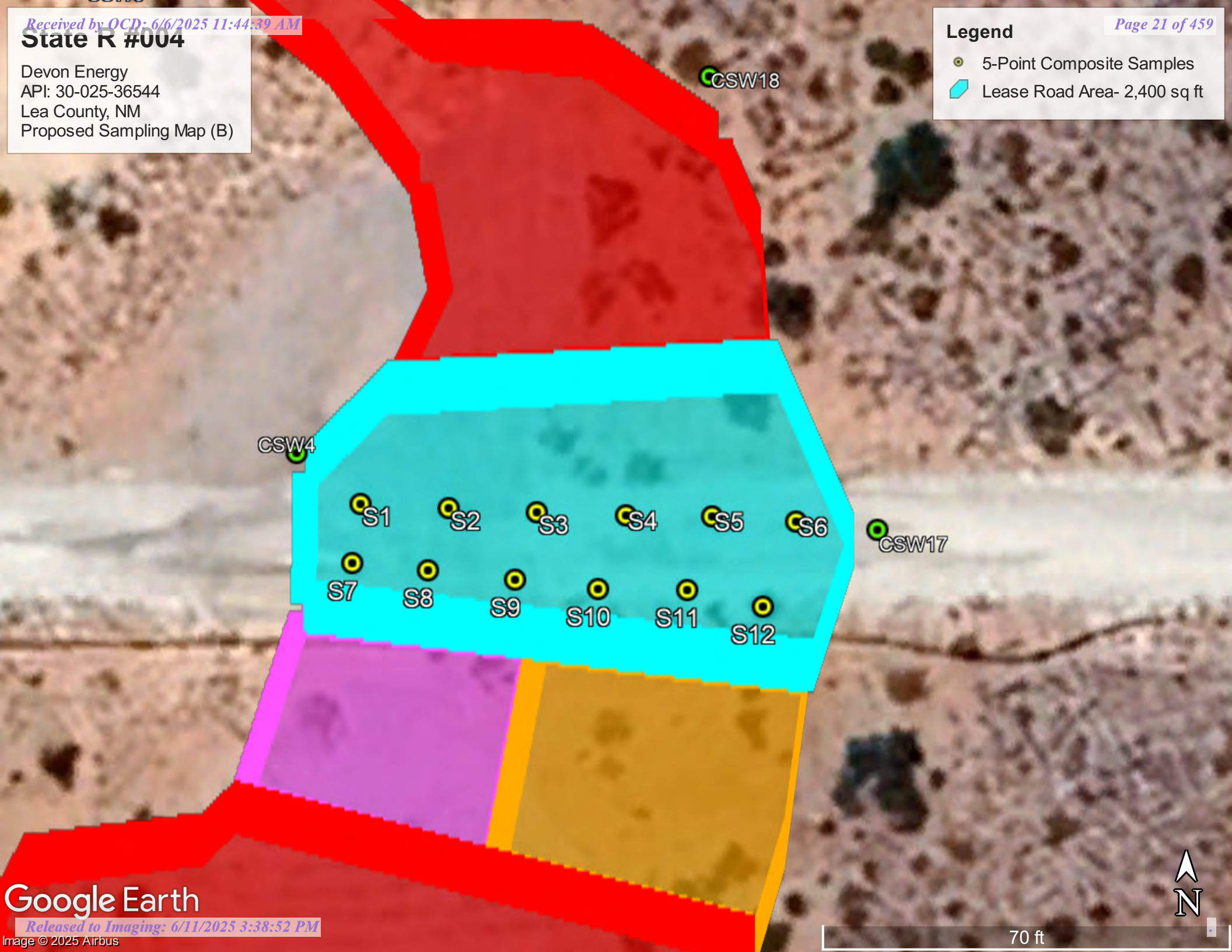


State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Proposed Sampling Map (B)

Legend

- 5-Point Composite Samples
- Lease Road Area- 2,400 sq ft

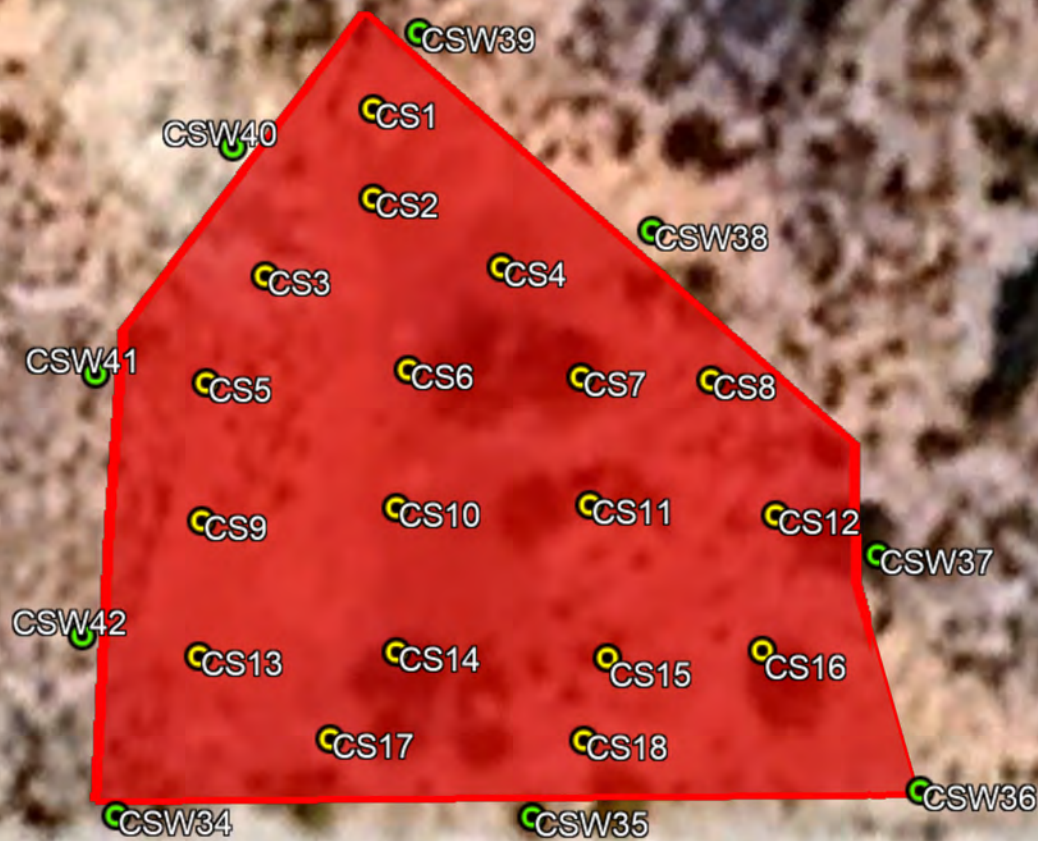


State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Confirmation Sample Map (A)

Legend

- Confirmation Bottom Samples
- Confirmation Sidewall Samples

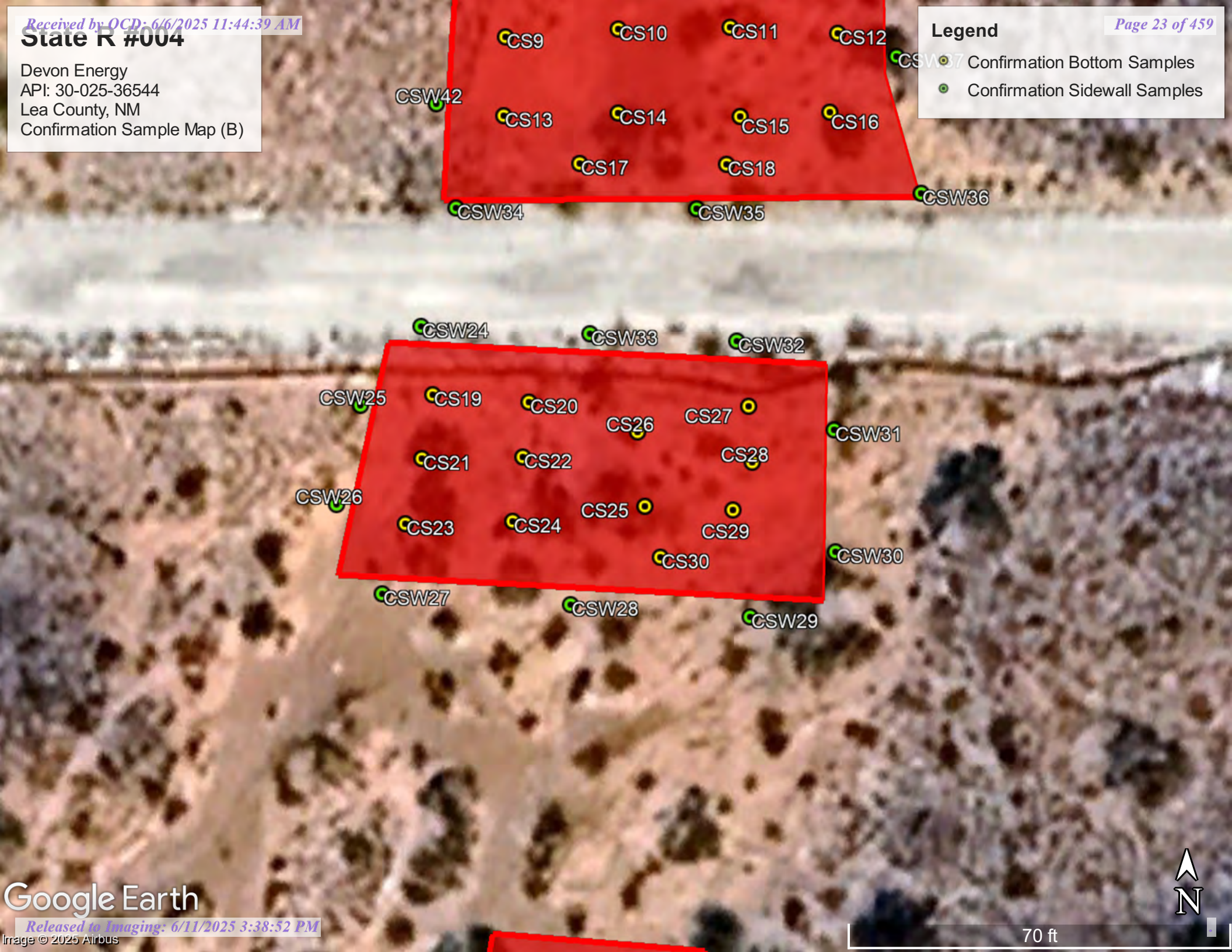


State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Confirmation Sample Map (B)

Legend

- Confirmation Bottom Samples
- Confirmation Sidewall Samples



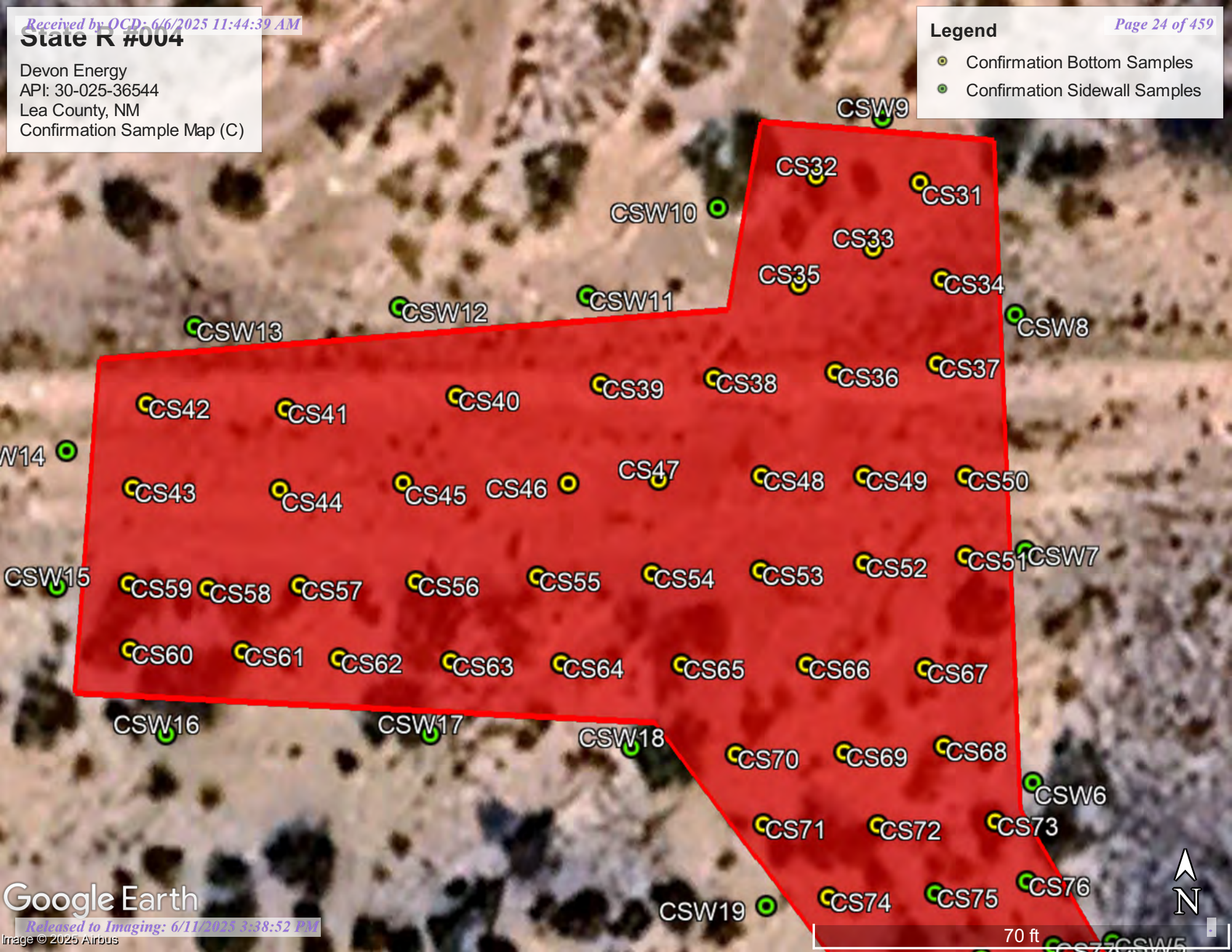
State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Confirmation Sample Map (C)

Legend

Confirmation Bottom Samples

Confirmation Sidewall Samples



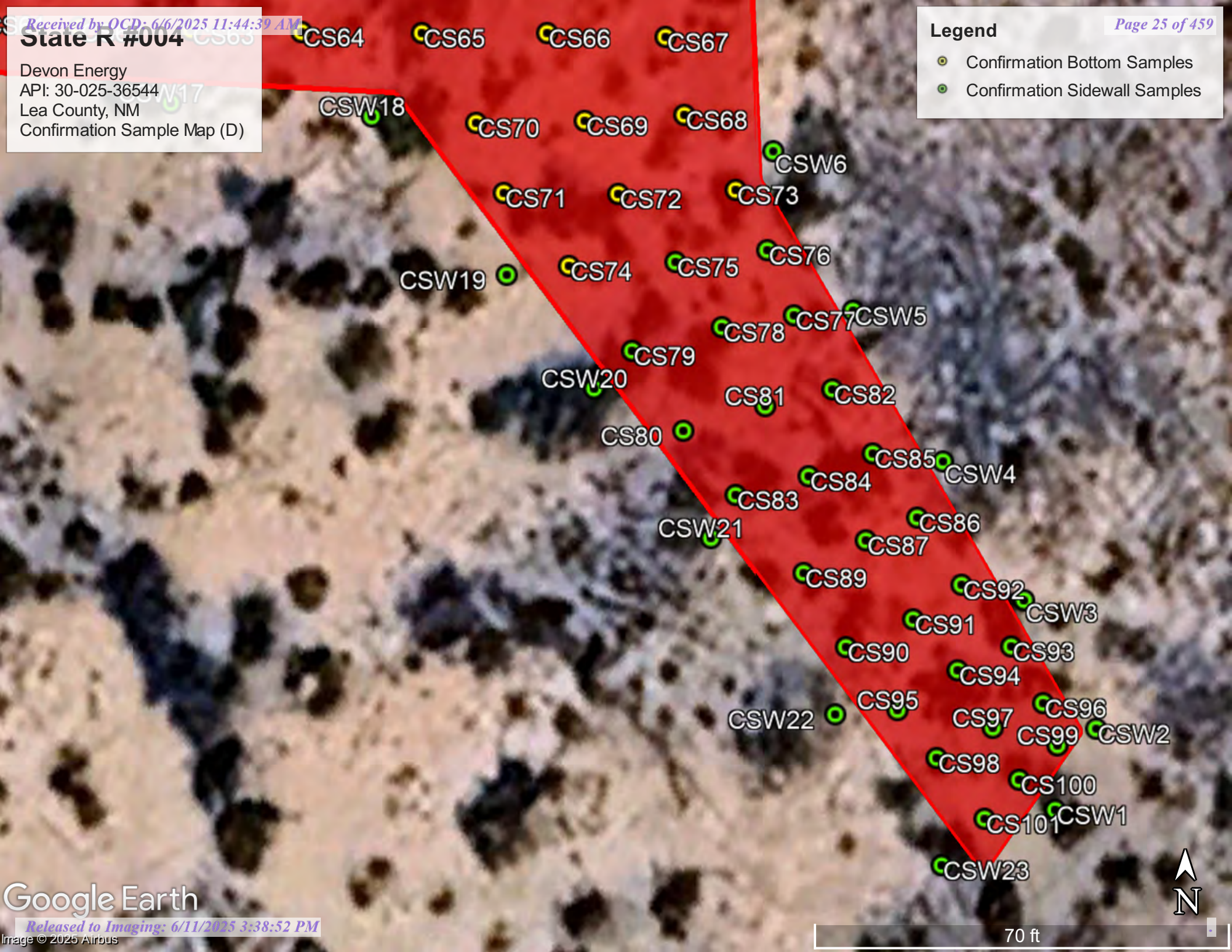
Received by OCD: 6/6/2025 11:44:39 AM
State R #004
Devon Energy
API: 30-025-36544
Lea County, NM
Confirmation Sample Map (D)

Page 25 of 459

Legend

Confirmation Bottom Samples

Confirmation Sidewall Samples



APPENDIX A

Water Surveys and Water Related Maps



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Boundary Raider 6 Federal #002H | nAPP2213648985

DEVON ENERGY PRODUCTION, LP.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01970 POD1		CP	LE	1	3	4	01	21S	34E	648223	3598476	669	55		
CP 00590 POD1		CP	LE				01	21S	34E	648099	3597829*	1328	79		
L 15099 POD1		L	LE	3	1	4	26	20S	35E	647650	3601626	2585	110	58	52
CP 00939 POD1		CP	LE	4	1	2	07	21S	35E	649974	3596760*	2881	400	165	235
CP 00940 POD1		CP	LE	4	1	2	07	21S	35E	649974	3596760*	2881	400	165	235
CP 01848 POD3		CP	LE	2	4	1	13	21S	34E	647904	3594858	4298	87	70	17
CP 01848 POD2		CP	LE	4	3	1	13	21S	34E	647587	3594789	4410	96	80	16
CP 00089	O	CP	LE	2	1	13	21S	34E	647840	3594615		4547	235		

Average Depth to Water: **107 feet**

Minimum Depth: **58 feet**

Maximum Depth: **165 feet**

Record Count: 8

UTM NAD83 Radius Search (in meters):

Easting (X): 648342.61

Northing (Y): 3599135.15

Radius: 5000

*UTM location was derived from PLSS - see Help

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


10/13/23 11:57 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	CP 01970 POD1	1	3	4	01	21S	34E	648223	3598476 
x									
Driller License:	1833	Driller Company:				VISION RESOURCES, INC			
Driller Name:	MALEY, JASON ASTR.L.L W.								
Drill Start Date:	07/27/2023	Drill Finish Date:				07/27/2023		Plug Date:	07/31/2023
Log File Date:	08/21/2023	PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:	2.00	Depth Well:				55 feet		Depth Water:	
x									

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.




10/13/23 12:10 PM

POINT OF DIVERSION SUMMARY

State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
OSE Pod Map

Legend

-  .42 of a mile
-  CP-1970-POD1
-  State R #4

Sms Rd

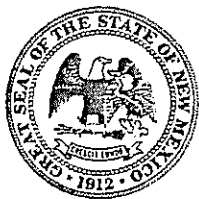
State R #4

CP-1970-POD1



2000 ft

Google Earth



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1970-POD1		WELL TAG ID NO.		OSE FILE NO(S).		
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 30'	49.4" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE	103	25'	19.2" W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley		NAME OF WELL DRILLING COMPANY Vision Resources			
	DRILLING STARTED 7-27-23		DRILLING ENDED 7-27-23		DEPTH OF COMPLETED WELL (FT) 55'		BORE HOLE DEPTH (FT) 55'	
					DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry		DATE STATIC MEASURED	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45	6	2" PVC SCH 40	Thread	2"	SCH 40	-
	45	55	6	2" PVC SCH 40	Thread	2"	SCH 40	.02

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <small>*(if using Centralizers for Artesian wells- indicate the spacing below)</small>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				None pulled and plugged		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	White caliche rock	Y ✓ N	
	10	20	10	Brown fine sand	Y ✓ N	
	20	40	20	Brown medium course sand with small rock	Y ✓ N	
	40	55	15	Tan fine sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Maley						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
				Jason Maley		8-7-23
	SIGNATURE OF DRILLER / PRINT SIGNED NAME			DATE		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2

- For each interval plugged, describe within the following columns:

MULTIPLY		BY	AND OBTAIN
cubic feet	x	7.4805	= gallons
cubic yards	x	201.97	= gallons

I, Jason Maley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

8-7-23

Version: September 8, 2009
Page 2 of 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-1970-POD1

Well owner: Devon Energy Resources

Phone No.: _____

Mailing address: 205 E. Bender Road #150

City: Hobbs State: NM Zip code: 88240

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Vision Resources INC
- 2) New Mexico Well Driller License No.: WD1833 Expiration Date: 10-7-23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Jason Maley
- 4) Date well plugging began: 7-31-23 Date well plugging concluded: 7-31-23
- 5) GPS Well Location: Latitude: 32 deg, 30' min, 49.4" sec
Longitude: 103 deg, 25' min, 19.2" sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
by the following manner: Tape
- 7) Static water level measured at initiation of plugging: Dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 6-6-2023
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 323032103250401

Minimum number of levels = 1

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

USGS 323032103250401 21S.34E.01.24122

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°31'00", Longitude 103°25'02" NAD27

Land-surface elevation 3,662.00 feet above NGVD29

The depth of the well is 110 feet below land surface.

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

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

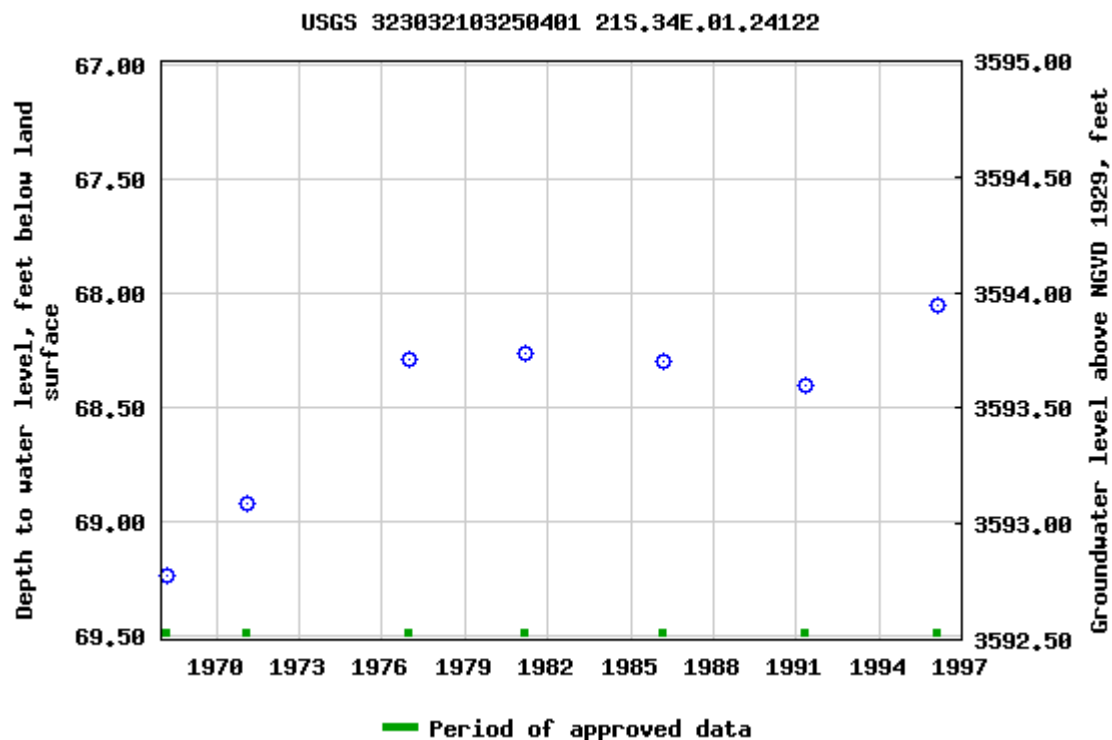
Output formats

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[Reselect period](#)



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

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Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2023-03-08 11:49:43 EST



0.61 0.47 nadww01

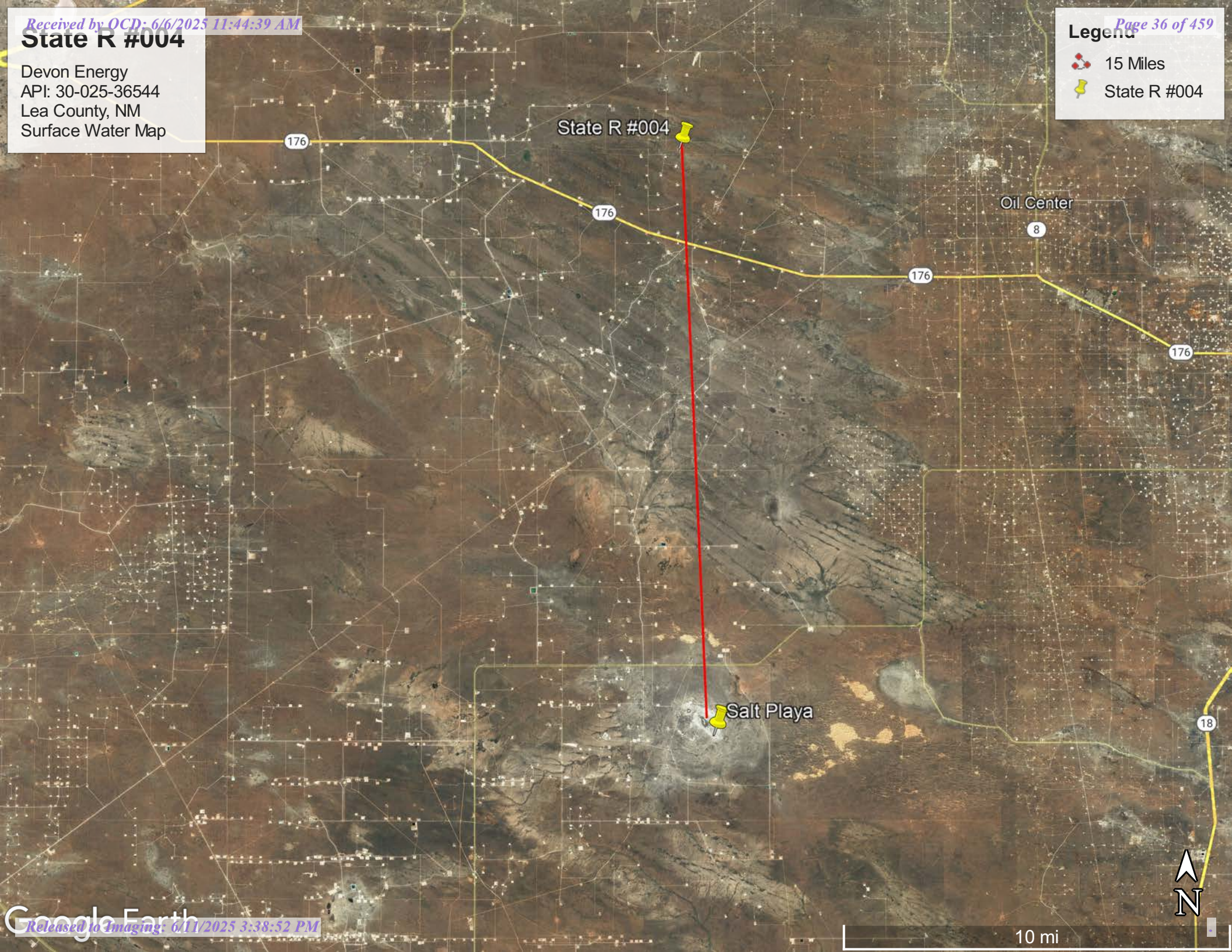


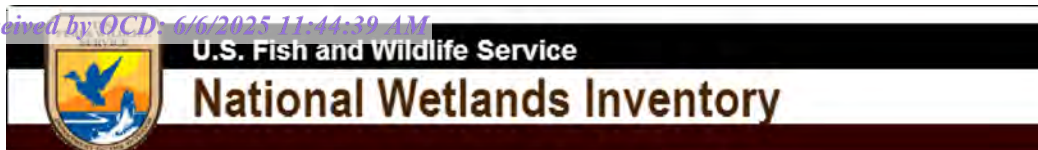
State R #004

Devon Energy
API: 30-025-36544
Lea County, NM
Surface Water Map

Legend

-  15 Miles
-  State R #004





Wetlands Map



March 8, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

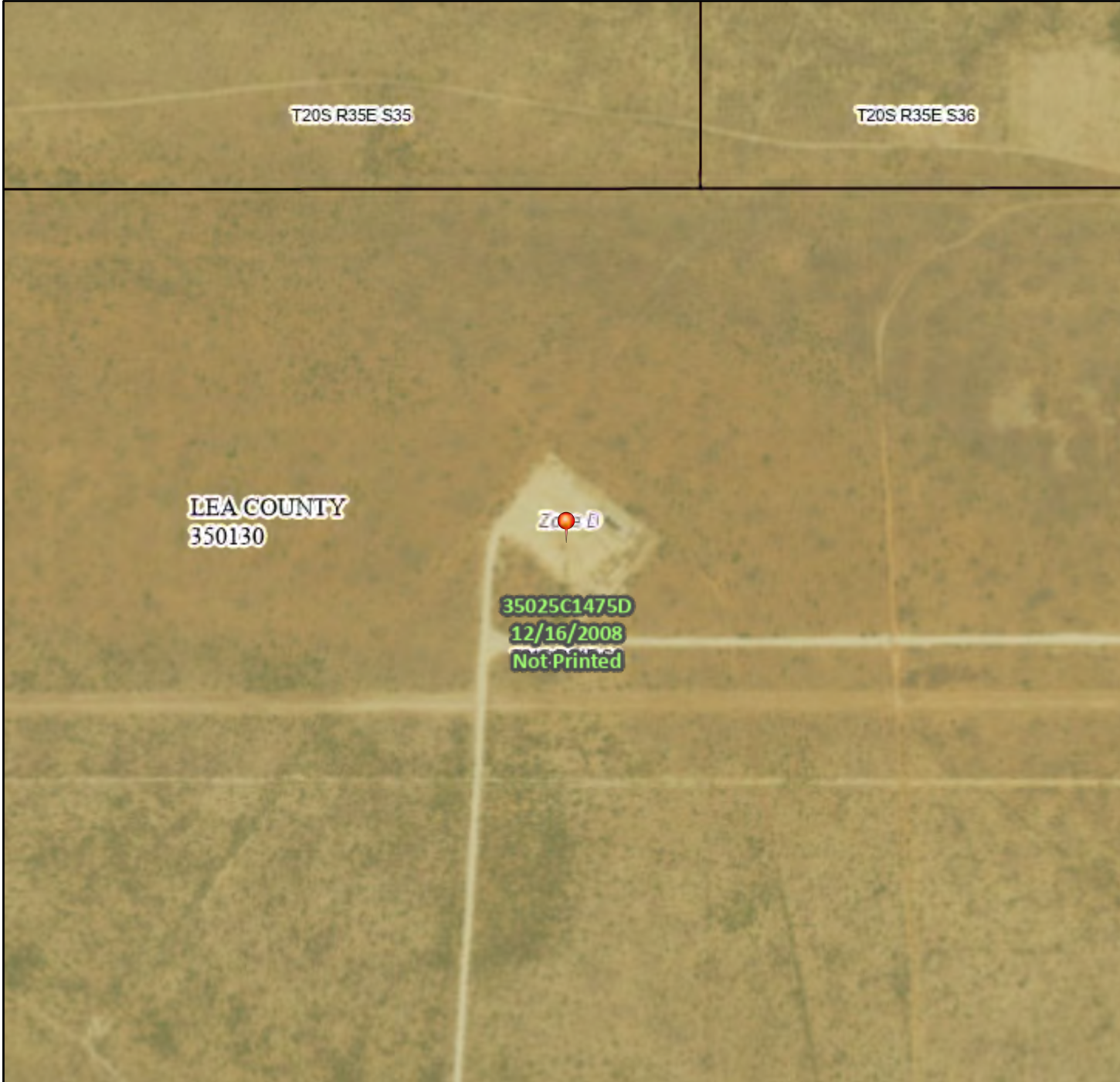
- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



103°25'33"W 32°31'26"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		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
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/8/2023 at 11:55 AM 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.

APPENDIX B

Soil Survey & Geological Data

Geologic Unit Map



Pima Environmental Services, LLC
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575-964-7740 | www.pimaoil.com

DEVON ENERGY PRODUCTION, LP.

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

Lea County, New Mexico

BE—Berino-Cacique loamy fine sands association

Map Unit Setting

National map unit symbol: dmpd

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 13 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

Berino and similar soils: 50 percent

Cacique and similar soils: 40 percent

Minor components: 10 percent

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

Description of Berino

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 6 inches: loamy fine sand

Btk - 6 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 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: Moderate (about 8.7 inches)

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Cacique**Setting**

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: loamy fine sand

Bt - 12 to 28 inches: sandy clay loam

Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

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

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: C

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Minor Components**Maljamar**

Percent of map unit: 6 percent

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

Palomas

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Data Source Information

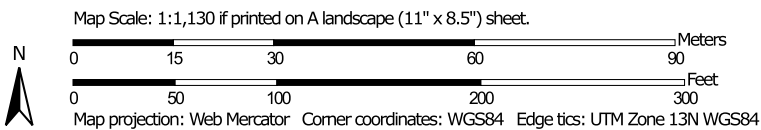
Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

Soil Map—Lea County, New Mexico



Soil Map may not be valid at this scale.




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

12/10/2024
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

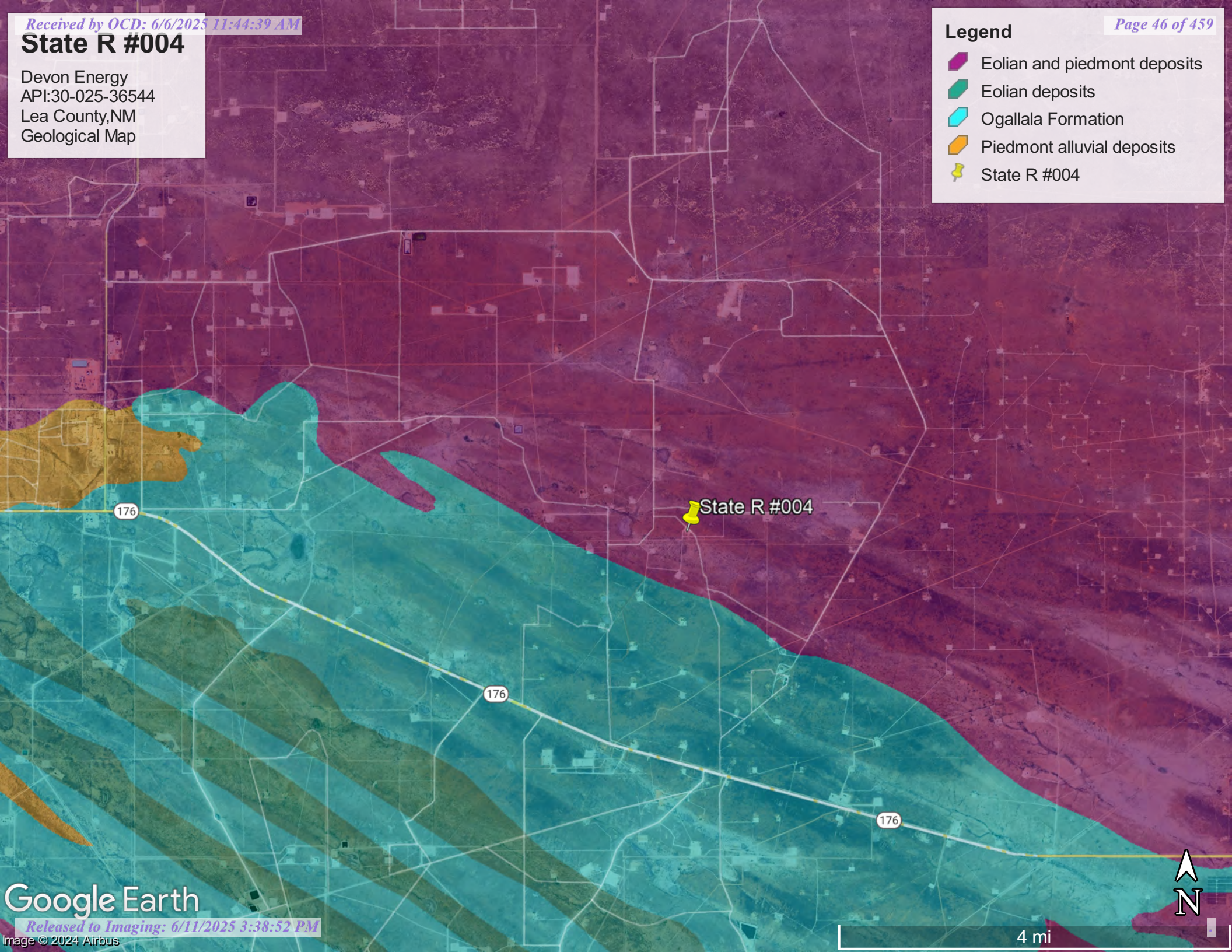
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	5.0	100.0%
Totals for Area of Interest		5.0	100.0%

State R #004

Devon Energy
API:30-025-36544
Lea County,NM
Geological Map

Legend

- Eolian and piedmont deposits
- Eolian deposits
- Ogallala Formation
- Piedmont alluvial deposits
- State R #004



Google Earth

APPENDIX C

48-Hour Sampling Notification



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

DEVON ENERGY PRODUCTION, LP.



Gio PimaOil <gio@pimaoil.com>

FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 306595

1 message

Woodall, Dale <Dale.Woodall@dvn.com>
To: Gio PimaOil <gio@pimaoil.com>

Tue, Jan 23, 2024 at 9:39 AM

fyi

Dale Woodall

Environmental Professional**Hobbs, NM****Office: 575-748-1838****Mobile: 405-318-4697**Dale.Woodall@dvn.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>**Sent:** Tuesday, January 23, 2024 8:38 AM**To:** Woodall, Dale <Dale.Woodall@dvn.com>**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 306595

To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nLWH0419454158.

The sampling event is expected to take place:

When: 01/25/2024 @ 10:00**Where:** B-01-21S-34E Lot: 2 1000 FNL 1780 FEL (32.5196419,-103.4206161)**Additional Information:** : Andrew Franco -806-200-0054

Additional Instructions: From the intersection of NM 176 and County Rd 30, travel west on NM 176 for 1 mile, turn North on Sims Rd for 2.02 miles, turn East on lease rd for 0.46 of a mile, Turn East on lease Rd for .35 of a mile continuing on lease Rd North arriving to location.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 306595

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

APPENDIX D

Photographic Documentation



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

DEVON ENERGY PRODUCTION, LP.



**SITE PHOTOGRAPHS
DEVON ENERGY
STATE R #004**

Site Assessment



+32.519315,-103.420531
Lea County
Devon
State R #4
Assessment



+32.518778,-103.420357
Lea County
Devon
State R #4
Assessment



+32.519071,-103.420294
Lea County
Devon
State R #4
Assessment



Pre Excavation





Excavation







Post Excavation





APPENDIX E

Laboratory Reports



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

DEVON ENERGY PRODUCTION, LP.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: STATE R #004

Work Order: E310277

Job Number: 01058-0007

Received: 10/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/2/23

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: 11/2/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E310277
Date Received: 10/27/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2023 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/02/23 17:17
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E310277-01A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S1 - 2'	E310277-02A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S1 - 3'	E310277-03A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S1 - 4'	E310277-04A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S2 - 1'	E310277-05A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S2 - 2'	E310277-06A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S2 - 3'	E310277-07A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S2 - 4'	E310277-08A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S3 - 1'	E310277-09A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S3 - 2'	E310277-10A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S3 - 3'	E310277-11A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S3 - 4'	E310277-12A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S4 - 1'	E310277-13A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S4 - 2'	E310277-14A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S4 - 3'	E310277-15A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S4 - 4'	E310277-16A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S5 - 1'	E310277-17A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S5 - 2'	E310277-18A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S5 - 3'	E310277-19A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S5 - 4'	E310277-20A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S1 - 1'

E310277-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
Surrogate: 4-Bromochlorobenzene-PID	92.2 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.9 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
Surrogate: n-Nonane	89.8 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	ND	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S1 - 2'

E310277-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	88.4 %	50-200		10/31/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	221	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S1 - 3'

E310277-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	90.8 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	1030	40.0	2	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S1 - 4'

E310277-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/30/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/30/23	
Toluene	ND	0.0250	1	10/27/23	10/30/23	
o-Xylene	ND	0.0250	1	10/27/23	10/30/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/30/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		10/27/23	10/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		10/27/23	10/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	91.0 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	509	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S2 - 1'

E310277-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	91.0 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	ND	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S2 - 2'

E310277-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	85.9 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	112	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S2 - 3'

E310277-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	86.3 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	506	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S2 - 4'

E310277-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	85.4 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	ND	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S3 - 1'

E310277-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	89.9 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	258	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S3 - 2'

E310277-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.9 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	88.8 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	189	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S3 - 3'

E310277-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	92.3 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	ND	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S3 - 4'

E310277-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	88.8 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	297	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S4 - 1'

E310277-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	250	10	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	655	500	10	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	78.9 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	140	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S4 - 2'

E310277-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	88.8 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	294	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S4 - 3'

E310277-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	86.6 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	120	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S4 - 4'

E310277-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	85.4 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	138	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S5 - 1'

E310277-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	86.2 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	135	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S5 - 2'

E310277-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	84.8 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	692	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S5 - 3'

E310277-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	85.1 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	411	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 5:17:58PM

S5 - 4'

E310277-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Benzene	ND	0.0250	1	10/27/23	10/31/23	
Ethylbenzene	ND	0.0250	1	10/27/23	10/31/23	
Toluene	ND	0.0250	1	10/27/23	10/31/23	
o-Xylene	ND	0.0250	1	10/27/23	10/31/23	
p,m-Xylene	ND	0.0500	1	10/27/23	10/31/23	
Total Xylenes	ND	0.0250	1	10/27/23	10/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343123
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	10/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		10/27/23	10/31/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	84.9 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344011
Chloride	236	20.0	1	10/30/23	11/02/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/2/2023 5:17:58PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343123-BLK1)

Prepared: 10/27/23 Analyzed: 10/30/23

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	7.71		8.00		96.4	70-130			

LCS (2343123-BS1)

Prepared: 10/27/23 Analyzed: 10/30/23

Benzene	4.45	0.0250	5.00		89.1	70-130			
Ethylbenzene	4.55	0.0250	5.00		91.0	70-130			
Toluene	4.55	0.0250	5.00		91.1	70-130			
o-Xylene	4.62	0.0250	5.00		92.3	70-130			
p,m-Xylene	9.29	0.0500	10.0		92.9	70-130			
Total Xylenes	13.9	0.0250	15.0		92.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.2	70-130			

Matrix Spike (2343123-MS1)

Source: E310277-04

Prepared: 10/27/23 Analyzed: 10/31/23

Benzene	4.64	0.0250	5.00	ND	92.8	54-133			
Ethylbenzene	4.75	0.0250	5.00	ND	95.1	61-133			
Toluene	4.76	0.0250	5.00	ND	95.2	61-130			
o-Xylene	4.76	0.0250	5.00	ND	95.1	63-131			
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike Dup (2343123-MSD1)

Source: E310277-04

Prepared: 10/27/23 Analyzed: 10/31/23

Benzene	4.78	0.0250	5.00	ND	95.6	54-133	2.97	20	
Ethylbenzene	4.91	0.0250	5.00	ND	98.3	61-133	3.29	20	
Toluene	4.91	0.0250	5.00	ND	98.1	61-130	3.05	20	
o-Xylene	4.91	0.0250	5.00	ND	98.3	63-131	3.26	20	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131	3.24	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.4	63-131	3.25	20	
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/2/2023 5:17:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343123-BLK1) Prepared: 10/27/23 Analyzed: 10/30/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.3	70-130			

LCS (2343123-BS2) Prepared: 10/27/23 Analyzed: 10/30/23

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

Matrix Spike (2343123-MS2) Source: E310277-04 Prepared: 10/27/23 Analyzed: 10/31/23

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

Matrix Spike Dup (2343123-MSD2) Source: E310277-04 Prepared: 10/27/23 Analyzed: 10/31/23

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	4.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/2/2023 5:17:58PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344033-BLK1)					Prepared: 10/31/23 Analyzed: 11/01/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.6		50.0		93.2	50-200			

LCS (2344033-BS1)					Prepared: 10/31/23 Analyzed: 11/01/23				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			

Matrix Spike (2344033-MS1)					Source: E310277-05		Prepared: 10/31/23 Analyzed: 11/01/23		
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	48.5		50.0		96.9	50-200			

Matrix Spike Dup (2344033-MSD1)					Source: E310277-05		Prepared: 10/31/23 Analyzed: 11/01/23		
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132	0.492	20	
Surrogate: n-Nonane	47.4		50.0		94.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/2/2023 5:17:58PM

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 (2344011-BLK1)					Prepared: 10/30/23 Analyzed: 11/01/23				
Chloride	ND	20.0							
LCS (2344011-BS1)					Prepared: 10/30/23 Analyzed: 11/01/23				
Chloride	244	20.0	250		97.5	90-110			
Matrix Spike (2344011-MS1)					Source: E310277-01		Prepared: 10/30/23 Analyzed: 11/02/23		
Chloride	241	20.0	250	ND	96.4	80-120			
Matrix Spike Dup (2344011-MSD1)					Source: E310277-01		Prepared: 10/30/23 Analyzed: 11/01/23		
Chloride	248	20.0	250	ND	99.1	80-120	2.82	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/02/23 17:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

Page 1 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program						
Project: <u>STATE R #004</u>					Attention: <u>Devon</u>		Lab WO# <u>E310277</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method								RCRA						
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip										State						
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRO/ORO by 8015		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	NM	CO	UT	AZ	TX	
Phone: <u>580-748-1613</u>					Email:																
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</u>																
Report due by:																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks															
8:00	10/25	S	1	S1-1'	1																
8:15				S1-2'	2																
8:19				S1-3'	3																
8:21				S1-4'	4																
8:25				S2-1'	5																
8:31				S2-2'	6																
8:33				S2-3'	7																
8:35				S2-4'	8																
8:38				S3-1'	9																
9:01				S3-2'	10																
Additional Instructions: <u>B# 21136154</u>																					
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 6 °C on subsequent days.										
Relinquished by: (Signature) <u>Kerime Adame</u> Date <u>10/26/23</u> Time <u>1:15</u>											Received by: (Signature) <u>Michelle Eugh</u> Date <u>10-26-23</u> Time <u>1315</u>										
Relinquished by: (Signature) <u>Michelle Eugh</u> Date <u>10-26-23</u> Time <u>1615</u>											Received by: (Signature) <u>Andrew</u> Date <u>10-26-23</u> Time <u>1730</u>										
Relinquished by: (Signature) <u>Andrew</u> Date <u>10-26-23</u> Time <u>2330</u>											Received by: (Signature) <u>Conth Man</u> Date <u>10-27-23</u> Time <u>8:30</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					


envirotech

Project Information

Chain of Custody

Page 2 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program				
Project: STATE R #004					Attention: <u>Deyon</u>		Lab WO# <u>E310277</u>		Job Number <u>01058-0007</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 <u>Hobbs, NM, 88240</u>					Phone:												
Phone: 580-748-1613					Email:												
Email: tom@pimaoil.com					Pima Project # <u>273</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	BDOC NM	BDOC TX	State			
														NM	CO	UT	
														AZ	TX		
															Remarks		
9:15	10/25	S	1	S3-3'	11							X					
9:21				S3-4'	12												
9:25				S4-1'	13												
9:31				S4-2'	14												
9:35				S4-3'	15												
9:41				S4-4'	16												
9:43				S5-1'	17												
9:51				S5-2'	18												
10:10				S5-3'	19												
10:15				S5-4'	20												
Additional Instructions: <u>B# 21136154</u>																	
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.							
Sampled by:										Lab Use Only							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <u>Y</u> N									
<u>Karime Adame</u>		<u>10/26/23</u>	<u>1:15</u>	<u>Michelle Cuyk</u>		<u>10-26-23</u>	<u>13:15</u>										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1		T2		T3					
<u>Michelle Cuyk</u>		<u>10-26-23</u>	<u>16:15</u>	<u>Andrew Russo</u>		<u>10-26-23</u>	<u>17:30</u>										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>									
<u>Andrew Russo</u>		<u>10-26-23</u>	<u>23:30</u>	<u>Carla M...</u>		<u>10-27-23</u>	<u>8:30</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Envirotech Analytical Laboratory

Printed: 10/27/2023 11:12:33AM

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:	10/27/23 08:30	Work Order ID:	E310277
Phone:	(575) 631-6977	Date Logged In:	10/26/23 18:15	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	11/02/23 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: CourierSample 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 InstructionComments/Resolution

Project State R #004 has been separated into 5 reports due to high sample volume. Workorders are as follows:
E310277/E310278/E310279/E310280/E310281.

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: STATE R #004

Work Order: E310278

Job Number: 01058-0007

Received: 10/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/3/23

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: 11/3/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E310278
Date Received: 10/27/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2023 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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,

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/03/23 09:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 - 1'	E310278-01A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S6 - 2'	E310278-02A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S6 - 3'	E310278-03A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S6 - 4'	E310278-04A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S7 - 1'	E310278-05A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S7 - 2'	E310278-06A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S7 - 3'	E310278-07A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S7 - 4'	E310278-08A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S8 - 1'	E310278-09A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S8 - 2'	E310278-10A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S8 - 3'	E310278-11A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S8 - 4'	E310278-12A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S9 - 1'	E310278-13A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S9 - 2'	E310278-14A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S9 - 3'	E310278-15A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S9 - 4'	E310278-16A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S10 - 1'	E310278-17A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S10 - 2'	E310278-18A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S10 - 3'	E310278-19A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S10 - 4'	E310278-20A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: STATE R #004 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/3/2023 9:50:03AM
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S6 - 1'

E310278-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
Surrogate: 4-Bromochlorobenzene-PID	95.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
Surrogate: n-Nonane	82.7 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	760	40.0	2	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S6 - 2'

E310278-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	81.0 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	122	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S6 - 3'

E310278-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	83.4 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	152	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S6 - 4'

E310278-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	42.6	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	27.3	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	81.1 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	340	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S7 - 1'

E310278-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	81.2 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	ND	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S7 - 2'

E310278-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2343124	
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.5 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2343124	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.0 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2344032	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>	78.6 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2344012	
Chloride	54.0	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S7 - 3'

E310278-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	78.8 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	361	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S7 - 4

E310278-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2343124	
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.7 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2343124	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2344032	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>	76.6 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2344012	
Chloride	94.6	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S8 - 1'

E310278-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2343124	
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>94.6 %</i>	<i>70-130</i>		<i>10/27/23</i>	<i>11/01/23</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2343124	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>91.9 %</i>	<i>70-130</i>		<i>10/27/23</i>	<i>11/01/23</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2344032	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>	<i>84.4 %</i>	<i>50-200</i>		<i>10/31/23</i>	<i>11/01/23</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2344012	
Chloride	ND	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S8 - 2'

E310278-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	83.7 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	30.7	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S8 - 3'

E310278-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	81.7 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	174	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S8 - 4'

E310278-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	80.5 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	73.3	20.0	1	10/30/23	11/03/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S9 - 1'

E310278-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	ND	20.0	1	10/30/23	11/03/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S9 - 2'

E310278-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	77.4 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	102	20.0	1	10/30/23	11/03/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S9 - 3'

E310278-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	62.3	50.0	2	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	152	100	2	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	80.7 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	539	20.0	1	10/30/23	11/03/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S9 - 4'

E310278-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	80.2 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	171	20.0	1	10/30/23	11/03/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S10 - 1'

E310278-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	83.1 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	ND	20.0	1	10/30/23	11/03/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S10 - 2'

E310278-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	81.1 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	159	20.0	1	10/30/23	11/03/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S10 - 3'

E310278-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	84.4 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	292	20.0	1	10/30/23	11/03/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 9:50:03AM

S10 - 4'

E310278-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343124
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	93.2	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	81.5 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2344012
Chloride	115	20.0	1	10/30/23	11/03/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/3/2023 9:50:03AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343124-BLK1)

Prepared: 10/27/23 Analyzed: 10/31/23

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	7.89		8.00		98.6	70-130			

LCS (2343124-BS1)

Prepared: 10/27/23 Analyzed: 10/31/23

Benzene	4.43	0.0250	5.00		88.6	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.5	70-130			
Toluene	4.70	0.0250	5.00		94.0	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.76	0.0500	10.0		97.6	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

Matrix Spike (2343124-MS1)

Source: E310278-02

Prepared: 10/27/23 Analyzed: 11/01/23

Benzene	4.31	0.0250	5.00	ND	86.2	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133			
Toluene	4.62	0.0250	5.00	ND	92.4	61-130			
o-Xylene	4.75	0.0250	5.00	ND	95.0	63-131			
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	95.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2343124-MSD1)

Source: E310278-02

Prepared: 10/27/23 Analyzed: 11/01/23

Benzene	4.12	0.0250	5.00	ND	82.3	54-133	4.58	20	
Ethylbenzene	4.53	0.0250	5.00	ND	90.6	61-133	4.12	20	
Toluene	4.44	0.0250	5.00	ND	88.8	61-130	3.98	20	
o-Xylene	4.56	0.0250	5.00	ND	91.2	63-131	4.02	20	
p,m-Xylene	9.24	0.0500	10.0	ND	92.4	63-131	4.23	20	
Total Xylenes	13.8	0.0250	15.0	ND	92.0	63-131	4.16	20	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/3/2023 9:50:03AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343124-BLK1) Prepared: 10/27/23 Analyzed: 10/31/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

LCS (2343124-BS2) Prepared: 10/27/23 Analyzed: 11/01/23

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	70-130			

Matrix Spike (2343124-MS2) Source: E310278-02 Prepared: 10/27/23 Analyzed: 11/01/23

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			

Matrix Spike Dup (2343124-MSD2) Source: E310278-02 Prepared: 10/27/23 Analyzed: 11/01/23

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.3	70-130	5.66	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/3/2023 9:50:03AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344032-BLK1)					Prepared: 10/31/23 Analyzed: 10/31/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.0		50.0		82.1	50-200			

LCS (2344032-BS1)					Prepared: 10/31/23 Analyzed: 10/31/23				
Diesel Range Organics (C10-C28)	248	25.0	250		99.1	38-132			
Surrogate: n-Nonane	42.0		50.0		84.1	50-200			

Matrix Spike (2344032-MS1)					Source: E310278-09		Prepared: 10/31/23 Analyzed: 10/31/23		
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	41.6		50.0		83.1	50-200			

Matrix Spike Dup (2344032-MSD1)					Source: E310278-09		Prepared: 10/31/23 Analyzed: 10/31/23		
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	38-132	0.870	20	
Surrogate: n-Nonane	42.7		50.0		85.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/3/2023 9:50:03AM

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 (2344012-BLK1)					Prepared: 10/30/23 Analyzed: 11/02/23				
Chloride	ND	20.0							
LCS (2344012-BS1)					Prepared: 10/30/23 Analyzed: 11/02/23				
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2344012-MS1)					Source: E310278-01		Prepared: 10/30/23 Analyzed: 11/02/23		
Chloride	1060	40.0	250	760	121	80-120			M2
Matrix Spike Dup (2344012-MSD1)					Source: E310278-01		Prepared: 10/30/23 Analyzed: 11/02/23		
Chloride	1000	40.0	250	760	97.7	80-120	5.66	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/03/23 09:50

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

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Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program					
Project: <u>STATE 2 #004</u>					Attention: <u>Devon</u>		Lab WO# <u>E310278</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Tom Bynum</u>					Address:									X				
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip										RCRA			
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:													
Phone: <u>580-748-1613</u>					Email:													
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</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	BDOC NM	BDOC TX	State				
														NM	CO	UT	AZ	TX
														X				
														Remarks				
10:17	10/25	S	1	S6-1'	1							X						
10:19				S6-2'	2													
10:21				S6-3'	3													
10:25				S6-4'	4													
10:31				S7-1'	5													
10:33				S7-2'	6													
10:39				S7-3'	7													
10:41				S7-4'	8													
10:45				S8-1'	9													
10:50				S8-2'	10													
Additional Instructions: <u>B# 21136154</u>																		
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 6 °C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<u>Karime Adams</u>		10/26/23	1:15	<u>Michelle Gayle</u>		10/26/23	1:15	Received on ice: <u>Y</u> / N										
<u>Michelle Gayle</u>		10/26/23	1:15	<u>Aden Russo</u>		10/26/23	17:30	T1 _____ T2 _____ T3 _____										
<u>Aden Russo</u>		10/26/23	2:30	<u>Carla Mae</u>		10/27/23	8:30	AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Project Information

Chain of Custody

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Client: Pima Environmental Services Project: <u>STATE 2 #004</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>273</u>					Lab Use Only Lab WO# <u>E310278</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX				Remarks						
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	BDOC NM	BDOC TX							
10:51	10/25	S		S8-3'	11							X								
10:59				S8-4'	12															
11:01				S9-1'	13															
11:10				S9-2'	14															
11:17				S9-3'	15															
11:25				S9-4'	16															
11:33				S10-1'	17															
11:39				S10-2'	18															
11:41				S10-3'	19															
11:45				S10-4'	20															
Additional Instructions: <u>B# 21136154</u>																				
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 6 °C on subsequent days.																				
Relinquished by: (Signature) <u>Karime Adams</u> Date <u>10/26/23</u> Time <u>1:15</u> Received by: (Signature) <u>Michele Leyle</u> Date <u>10/26/23</u> Time <u>1:15</u>																				
Relinquished by: (Signature) <u>Michele Leyle</u> Date <u>10/26/23</u> Time <u>1:15</u> Received by: (Signature) <u>Robert M. Leyle</u> Date <u>10-26-23</u> Time <u>1730</u>																				
Relinquished by: (Signature) <u>Robert M. Leyle</u> Date <u>10-26-23</u> Time <u>2330</u> Received by: (Signature) <u>Pat Mc</u> Date <u>10-27-23</u> Time <u>8:30</u>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				


envirotech

Envirotech Analytical Laboratory

Printed: 10/27/2023 11:15:28AM

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:	10/27/23 08:30	Work Order ID:	E310278
Phone:	(575) 631-6977	Date Logged In:	10/26/23 18:15	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	11/02/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project State R #004 has been separated into 5 reports due to high sample volume. Workorders are as follows:
E310277/E310278/E310279/E310280/E310281.

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: STATE R #004

Work Order: E310279

Job Number: 01058-0007

Received: 10/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/2/23

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: 11/2/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E310279
Date Received: 10/27/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2023 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/02/23 16:36
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S11 - 1'	E310279-01A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S11 - 2'	E310279-02A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S11 - 3'	E310279-03A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S11 - 4'	E310279-04A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S12 - 1'	E310279-05A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S12 - 2'	E310279-06A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S12 - 3'	E310279-07A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S12 - 4'	E310279-08A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S13 - 1'	E310279-09A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S13 - 2'	E310279-10A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S13 - 3'	E310279-11A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S13 - 4'	E310279-12A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S14 - 1'	E310279-13A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S14 - 2'	E310279-14A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S14 - 3'	E310279-15A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S14 - 4'	E310279-16A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S15 - 1'	E310279-17A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S15 - 2'	E310279-18A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S15 - 3'	E310279-19A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S15 - 4'	E310279-20A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S11 - 1'

E310279-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
Surrogate: 4-Bromochlorobenzene-PID	91.7 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
Surrogate: n-Nonane	97.4 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	ND	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S11 - 2'

E310279-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	96.2 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	334	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S11 - 3'

E310279-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	96.8 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	313	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S11 - 4'

E310279-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	95.7 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	215	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S12 - 1'

E310279-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	98.2 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	ND	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S12 - 2'

E310279-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	234	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S12 - 3'

E310279-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	94.4 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	292	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S12 - 4'

E310279-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	95.6 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	321	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S13 - 1'

E310279-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	10/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	10/31/23	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		10/31/23	10/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	1660	40.0	2	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S13 - 2'

E310279-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	94.3 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	77.7	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S13 - 3'

E310279-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	98.9 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	226	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S13 - 4'

E310279-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	58.2	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	170	40.0	2	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S14 - 1'

E310279-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	95.7 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	465	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S14 - 2'

E310279-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	96.2 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	708	40.0	2	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S14 - 3'

E310279-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	92.9 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	230	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S14 - 4'

E310279-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	93.8 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	369	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S15 - 1'

E310279-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2343125	
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.3 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2343125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2344031	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>	88.1 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2344014	
Chloride	162	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S15 - 2'

E310279-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	95.2 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	1020	40.0	2	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S15 - 3'

E310279-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	50.0	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	921	40.0	2	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/2/2023 4:36:05PM

S15 - 4'

E310279-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Benzene	ND	0.0250	1	10/27/23	11/01/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/01/23	
Toluene	ND	0.0250	1	10/27/23	11/01/23	
o-Xylene	ND	0.0250	1	10/27/23	11/01/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/01/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343125
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		10/27/23	11/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		10/31/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344014
Chloride	445	40.0	2	10/30/23	11/02/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/2/2023 4:36:05PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343125-BLK1)

Prepared: 10/27/23 Analyzed: 11/01/23

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	7.56		8.00		94.5	70-130			

LCS (2343125-BS1)

Prepared: 10/27/23 Analyzed: 11/01/23

Benzene	4.63	0.0250	5.00		92.6	70-130			
Ethylbenzene	4.84	0.0250	5.00		96.8	70-130			
Toluene	4.93	0.0250	5.00		98.5	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		99.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.2	70-130			

Matrix Spike (2343125-MS1)

Source: E310279-01

Prepared: 10/27/23 Analyzed: 11/01/23

Benzene	4.52	0.0250	5.00	ND	90.3	54-133			
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133			
Toluene	4.83	0.0250	5.00	ND	96.5	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.0	70-130			

Matrix Spike Dup (2343125-MSD1)

Source: E310279-01

Prepared: 10/27/23 Analyzed: 11/01/23

Benzene	4.51	0.0250	5.00	ND	90.2	54-133	0.0919	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.3	61-133	0.0767	20	
Toluene	4.83	0.0250	5.00	ND	96.7	61-130	0.155	20	
o-Xylene	4.92	0.0250	5.00	ND	98.4	63-131	0.284	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	0.00406	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.4	63-131	0.0973	20	
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/2/2023 4:36:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343125-BLK1)

Prepared: 10/27/23 Analyzed: 11/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			

LCS (2343125-BS2)

Prepared: 10/27/23 Analyzed: 11/01/23

Gasoline Range Organics (C6-C10)	36.7	20.0	50.0		73.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.3	70-130			

Matrix Spike (2343125-MS2)

Source: E310279-01

Prepared: 10/27/23 Analyzed: 11/01/23

Gasoline Range Organics (C6-C10)	40.2	20.0	50.0	ND	80.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

Matrix Spike Dup (2343125-MSD2)

Source: E310279-01

Prepared: 10/27/23 Analyzed: 11/01/23

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130	7.50	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/2/2023 4:36:05PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344031-BLK1)					Prepared: 10/31/23 Analyzed: 10/31/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.5	50-200			

LCS (2344031-BS1)					Prepared: 10/31/23 Analyzed: 10/31/23				
Diesel Range Organics (C10-C28)	296	25.0	250		119	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			

Matrix Spike (2344031-MS1)					Source: E310279-05		Prepared: 10/31/23 Analyzed: 10/31/23		
Diesel Range Organics (C10-C28)	289	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Matrix Spike Dup (2344031-MSD1)					Source: E310279-05		Prepared: 10/31/23 Analyzed: 10/31/23		
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	1.36	20	
Surrogate: n-Nonane	50.7		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/2/2023 4:36:05PM

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
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Blank (2344014-BLK1)					Prepared: 10/30/23 Analyzed: 11/01/23				
Chloride	ND	20.0							
LCS (2344014-BS1)					Prepared: 10/30/23 Analyzed: 11/01/23				
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2344014-MS1)					Source: E310279-01		Prepared: 10/30/23 Analyzed: 11/01/23		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2344014-MSD1)					Source: E310279-01		Prepared: 10/30/23 Analyzed: 11/01/23		
Chloride	249	20.0	250	ND	99.5	80-120	1.47	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/02/23 16:36

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

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

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



Project Information

Chain of Custody

Page 5 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>STATE R #004</u>					Attention: <u>Devon</u>		Lab WO# <u>E310279</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:											
Address: 5614 N. Lovington Hwy.					City, State, Zip											RCRA
City, State, Zip <u>Hobbs, NM. 88240</u>					Phone:											
Phone: 580-748-1613					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</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			BDOC NM	BDOC TX	Remarks
11:51	10/25	S	1	S11-1'	1									X		
11:55				S11-2'	2											
11:59				S11-3'	3											
12:10				S11-4'	4											
12:17				S12-1'	5											
12:26				S12-2'	6											
12:31				S12-3'	7											
12:35				S12-4'	8											
12:41				S13-1'	9											
12:49				S13-2'	10											
Additional Instructions: <u>B# 21136154</u>																
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 6°C on subsequent days.						
Relinquished by: (Signature) <u>Karina Adams</u> Date <u>10/26/23</u> Time <u>1:15</u>										Received by: (Signature) <u>Middle Cuyk</u> Date <u>10/26/23</u> Time <u>1:15</u>						
Relinquished by: (Signature) <u>Middle Cuyk</u> Date <u>10-26-23</u> Time <u>1:15</u>										Received by: (Signature) <u>John M. M...</u> Date <u>10-26-23</u> Time <u>1:30</u>						
Relinquished by: (Signature) <u>John M. M...</u> Date <u>10-26-23</u> Time <u>1:30</u>										Received by: (Signature) <u>Carla M...</u> Date <u>10-27-23</u> Time <u>8:30</u>						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																


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Project Information

Chain of Custody

Page 6 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>STATER #004</u>					Attention: <u>Devon</u>		Lab WO# <u>E310279</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method									
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>273</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	BDOC NM	BDOC TX	State		
														NM	CO	UT
															AZ	TX
Remarks																
12:55	10/25	S	1	S13-3'	11							X				
12:59				S13-4'	12											
1:05				S14-1'	13											
1:10				S14-2'	14											
1:15				S14-3'	15											
1:23				S14-4'	16											
1:29				S15-1'	17											
1:31				S15-2'	18											
1:35				S15-3'	19											
1:39				S15-4'	20											
Additional Instructions: <u>B# 21136154</u>																
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.					
Sampled by:																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Karime Hane</u>		10/26/23	1:15	<u>Michelle Gayle</u>		10/26/23	1:15	Received on ice: <u>y</u> / N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____								
<u>Michelle Gayle</u>		10/26/23	1:15	<u>Adrian N. 850</u>		10/26/23	1:30									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>Adrian N. 850</u>		10/26/23	2:30	<u>Carth M</u>		10/27/23	8:30									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report:																


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Envirotech Analytical Laboratory

Printed: 10/27/2023 11:17:52AM

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:	10/27/23 08:30	Work Order ID:	E310279
Phone:	(575) 631-6977	Date Logged In:	10/26/23 18:17	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	11/02/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project State R #004 has been separated into 5 reports due to high sample volume. Workorders are as follows:
E310277/E310278/E310279/E310280/E310281.

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: STATE R #004

Work Order: E310280

Job Number: 01058-0007

Received: 10/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/3/23

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: 11/3/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E310280
Date Received: 10/27/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2023 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/03/23 15:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S16 - 1'	E310280-01A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S16 - 2'	E310280-02A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S16 - 3'	E310280-03A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S16 - 4'	E310280-04A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S17 - 1'	E310280-05A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S17 - 2'	E310280-06A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S17 - 3'	E310280-07A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S17 - 4'	E310280-08A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S18 - 1'	E310280-09A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S18 - 2'	E310280-10A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S18 - 3'	E310280-11A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
S18 - 4'	E310280-12A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW1	E310280-13A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW2	E310280-14A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW3	E310280-15A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW4	E310280-16A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW5	E310280-17A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW6	E310280-18A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW7	E310280-19A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW8	E310280-20A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S16 - 1'

E310280-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
Surrogate: 4-Bromochlorobenzene-PID	92.2 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.0 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	29.9	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	247	50.0	1	11/01/23	11/02/23	
Surrogate: n-Nonane	97.0 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	238	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S16 - 2'

E310280-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	84.5 %	50-200		11/01/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	403	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S16 - 3'

E310280-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	30.7	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	102	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	1290	40.0	2	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S16 - 4'

E310280-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	93.0	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	435	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S17 - 1'

E310280-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	84.5 %	50-200		11/01/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	118	20.0	1	10/30/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S17 - 2'

E310280-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	107	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	146	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S17 - 3'

E310280-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	87.8 %	50-200		11/01/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	968	40.0	2	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S17 - 4'

E310280-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	360	40.0	2	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S18 - 1'

E310280-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	92.6 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	357	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S18 - 2'

E310280-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	91.6 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	113	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S18 - 3'

E310280-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	92.0 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	240	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

S18 - 4'

E310280-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	92.4 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	170	40.0	2	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

SW1

E310280-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	86.8 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	ND	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

SW2

E310280-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	87.6 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	ND	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

SW3

E310280-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	ND	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

SW4

E310280-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	177 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	ND	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

SW5

E310280-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	84.9 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	ND	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

SW6

E310280-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	94.3 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	ND	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

SW7

E310280-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	89.0 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	ND	20.0	1	10/30/23	11/02/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/3/2023 3:59:09PM

SW8

E310280-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343126
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/01/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/01/23	11/02/23	
<i>Surrogate: n-Nonane</i>						
	90.1 %	50-200		11/01/23	11/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344015
Chloride	ND	20.0	1	10/30/23	11/02/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/3/2023 3:59:09PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343126-BLK1)

Prepared: 10/27/23 Analyzed: 11/02/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

LCS (2343126-BS1)

Prepared: 10/27/23 Analyzed: 11/02/23

Benzene	5.33	0.0250	5.00		107	70-130			
Ethylbenzene	5.21	0.0250	5.00		104	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

Matrix Spike (2343126-MS1)

Source: E310280-04

Prepared: 10/27/23 Analyzed: 11/02/23

Benzene	5.00	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.90	0.0250	5.00	ND	98.0	61-133			
Toluene	4.96	0.0250	5.00	ND	99.2	61-130			
o-Xylene	4.90	0.0250	5.00	ND	97.9	63-131			
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.7	70-130			

Matrix Spike Dup (2343126-MSD1)

Source: E310280-04

Prepared: 10/27/23 Analyzed: 11/02/23

Benzene	5.53	0.0250	5.00	ND	111	54-133	9.89	20	
Ethylbenzene	5.42	0.0250	5.00	ND	108	61-133	10.1	20	
Toluene	5.48	0.0250	5.00	ND	110	61-130	9.96	20	
o-Xylene	5.42	0.0250	5.00	ND	108	63-131	10.1	20	
p,m-Xylene	11.0	0.0500	10.0	ND	110	63-131	9.76	20	
Total Xylenes	16.4	0.0250	15.0	ND	109	63-131	9.87	20	
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/3/2023 3:59:09PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343126-BLK1) Prepared: 10/27/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.8	70-130			

LCS (2343126-BS2) Prepared: 10/27/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

Matrix Spike (2343126-MS2) Source: E310280-04 Prepared: 10/27/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike Dup (2343126-MSD2) Source: E310280-04 Prepared: 10/27/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130	2.07	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/3/2023 3:59:09PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344022-BLK1)					Prepared: 11/01/23 Analyzed: 11/01/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.2		50.0		90.4	50-200			

LCS (2344022-BS1)					Prepared: 11/01/23 Analyzed: 11/01/23				
Diesel Range Organics (C10-C28)	205	25.0	250		82.1	38-132			
Surrogate: n-Nonane	39.0		50.0		78.0	50-200			

Matrix Spike (2344022-MS1)					Source: E310280-05		Prepared: 11/01/23 Analyzed: 11/01/23		
Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.3	38-132			
Surrogate: n-Nonane	47.7		50.0		95.5	50-200			

Matrix Spike Dup (2344022-MSD1)					Source: E310280-05		Prepared: 11/01/23 Analyzed: 11/01/23		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	38-132	5.74	20	
Surrogate: n-Nonane	44.4		50.0		88.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/3/2023 3:59:09PM

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 (2344015-BLK1)					Prepared: 10/30/23 Analyzed: 11/01/23				
Chloride	ND	20.0							
LCS (2344015-BS1)					Prepared: 10/30/23 Analyzed: 11/01/23				
Chloride	242	20.0	250		96.7	90-110			
Matrix Spike (2344015-MS1)					Source: E310280-01		Prepared: 10/30/23 Analyzed: 11/01/23		
Chloride	485	20.0	250	238	98.8	80-120			
Matrix Spike Dup (2344015-MSD1)					Source: E310280-01		Prepared: 10/30/23 Analyzed: 11/01/23		
Chloride	498	20.0	250	238	104	80-120	2.69	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/03/23 15:59

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

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

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



Project Information

Chain of Custody

Page 7 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: STATE R #004					Attention: Devon		Lab WO# E310280		Job Number 01058-0007		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 Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # 273											
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			
12:51	10/25	S	1	S16-1'	1							X				
1:00				S16-2'	2											
1:17				S16-3'	3											
1:25				S16-4'	4											
1:31				S17-1'	5											
1:33				S17-2'	6											
1:35				S17-3'	7											
1:39				S17-4'	8											
2:51				S18-1'	9											
1:59				S18-2'	10											
Additional Instructions: B# 21136154																
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 6°C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
Karine Adams		10/26/23	1:15	Michelle Gayle		10-26-23	1:15	Received on ice: Q / N								
Michelle Gayle		10-26-23	1:15	Chad Messer		10-26-23	1:30	T1 T2 T3								
Chad Messer		10-26-23	2:30	Curtis Man		10-27-23	8:30	AVG Temp °C 4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Page 8 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>STATE R #004</u>					Attention: <u>Devon</u>		Lab WO# <u>E310280</u>		Job Number <u>01058.0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip										State	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
Phone: <u>580-748-1613</u>					Email:		Chloride 300.0				BGDOC NM		BGDOC TX			
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks										
2:05	10/15	S	1	18-3'	11	X										
2:15				18-4'	12											
2:22				SW1	13											
2:31				SW2	14											
2:39				SW3	15											
2:41				SW4	16											
2:43				SW5	17											
2:45				SW6	18											
2:51				SW7	19											
2:55				SW8	20											
Additional Instructions: <u>B# 21136154</u>																
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 6 °C on subsequent days.																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Karime Adams</u>		<u>10/26/23</u>	<u>1:15</u>	<u>Michelle Cough</u>		<u>10-26-23</u>	<u>1:15</u>	Received on ice: <u>Y</u> / N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Michelle Cough</u>		<u>10-26-23</u>	<u>1:15</u>	<u>Wayne M. 450</u>		<u>10-26-23</u>	<u>1:30</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C								
<u>Wayne M. 450</u>		<u>10-26-23</u>	<u>2:30</u>	<u>Carl M.</u>		<u>10-27-23</u>	<u>8:30</u>	<u>4</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: 10/27/2023 11:19:14AM

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:	10/27/23 08:30	Work Order ID:	E310280
Phone:	(575) 631-6977	Date Logged In:	10/26/23 18:18	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	11/02/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project State R #004 has been separated into 5 reports due to high sample volume. Workorders are as follows:
E310277/E310278/E310279/E310280/E310281.

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: STATE R #004

Work Order: E310281

Job Number: 01058-0007

Received: 10/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/6/23

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: 11/6/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E310281
Date Received: 10/27/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/27/2023 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/06/23 10:39
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW9	E310281-01A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW10	E310281-02A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW11	E310281-03A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW12	E310281-04A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW13	E310281-05A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW14	E310281-06A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW15	E310281-07A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW16	E310281-08A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW17	E310281-09A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW18	E310281-10A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW19	E310281-11A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.
SW20	E310281-12A	Soil	10/25/23	10/27/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: STATE R #004 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/6/2023 10:39:19AM
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SW9

E310281-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
Surrogate: 4-Bromochlorobenzene-PID	91.5 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.5 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
Surrogate: n-Nonane	95.8 %	50-200		10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW10

E310281-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	90.8 %	50-200		10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW11

E310281-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.6 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
		89.3 %	50-200	10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW12

E310281-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.7 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
		89.1 %	50-200	10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW13

E310281-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	85.1 %	50-200		10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW14

E310281-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	85.6 %	50-200		10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW15

E310281-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
	87.4 %	50-200		10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW16

E310281-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
		88.5 %	50-200	10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW17

E310281-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
		85.2 %	50-200	10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW18

E310281-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
		88.6 %	50-200	10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW19

E310281-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
		88.3 %	50-200	10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
11/6/2023 10:39:19AM

SW20

E310281-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Benzene	ND	0.0250	1	10/27/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/27/23	11/02/23	
Toluene	ND	0.0250	1	10/27/23	11/02/23	
o-Xylene	ND	0.0250	1	10/27/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/27/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/27/23	11/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2343127
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/27/23	11/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	10/27/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2344021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/30/23	11/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/30/23	11/01/23	
<i>Surrogate: n-Nonane</i>						
		89.1 %	50-200	10/30/23	11/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2344029
Chloride	ND	20.0	1	10/31/23	11/01/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/6/2023 10:39:19AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343127-BLK1)

Prepared: 10/27/23 Analyzed: 11/02/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.3	70-130			

LCS (2343127-BS1)

Prepared: 10/27/23 Analyzed: 11/02/23

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.8	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.89	0.0250	5.00		97.9	70-130			
p,m-Xylene	9.90	0.0500	10.0		99.0	70-130			
Total Xylenes	14.8	0.0250	15.0		98.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.10		8.00		88.7	70-130			

Matrix Spike (2343127-MS1)

Source: E310281-06

Prepared: 10/27/23 Analyzed: 11/02/23

Benzene	5.01	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.79	0.0250	5.00	ND	95.8	61-133			
Toluene	4.99	0.0250	5.00	ND	99.8	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.5	63-131			
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			

Matrix Spike Dup (2343127-MSD1)

Source: E310281-06

Prepared: 10/27/23 Analyzed: 11/02/23

Benzene	5.18	0.0250	5.00	ND	104	54-133	3.36	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133	3.46	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	3.50	20	
o-Xylene	5.09	0.0250	5.00	ND	102	63-131	3.40	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.40	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	3.40	20	
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/6/2023 10:39:19AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2343127-BLK1)

Prepared: 10/27/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			

LCS (2343127-BS2)

Prepared: 10/27/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

Matrix Spike (2343127-MS2)

Source: E310281-06

Prepared: 10/27/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			

Matrix Spike Dup (2343127-MSD2)

Source: E310281-06

Prepared: 10/27/23 Analyzed: 11/02/23

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	0.0309	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 11/6/2023 10:39:19AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2344021-BLK1)					Prepared: 10/30/23 Analyzed: 10/31/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.8		50.0		93.6	50-200			

LCS (2344021-BS1)					Prepared: 10/30/23 Analyzed: 10/31/23				
Diesel Range Organics (C10-C28)	289	25.0	250		115	38-132			
Surrogate: n-Nonane	48.1		50.0		96.2	50-200			

Matrix Spike (2344021-MS1)					Source: E310269-01		Prepared: 10/30/23 Analyzed: 11/01/23		
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.4	38-132			
Surrogate: n-Nonane	41.4		50.0		82.8	50-200			

Matrix Spike Dup (2344021-MSD1)					Source: E310269-01		Prepared: 10/30/23 Analyzed: 11/01/23		
Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	38-132	6.92	20	
Surrogate: n-Nonane	43.1		50.0		86.1	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/6/2023 10:39:19AM

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 (2344029-BLK1)					Prepared: 10/31/23 Analyzed: 11/01/23				
Chloride	ND	20.0							
LCS (2344029-BS1)					Prepared: 10/31/23 Analyzed: 11/01/23				
Chloride	246	20.0	250		98.4	90-110			
Matrix Spike (2344029-MS1)					Source: E310281-05		Prepared: 10/31/23 Analyzed: 11/01/23		
Chloride	245	20.0	250	ND	97.9	80-120			
Matrix Spike Dup (2344029-MSD1)					Source: E310281-05		Prepared: 10/31/23 Analyzed: 11/01/23		
Chloride	246	20.0	250	ND	98.6	80-120	0.737	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/06/23 10:39

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

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

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



Project Information

Chain of Custody

Page 9 of 10

Client: Pima Environmental Services Project: STATE #904 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:					Bill To: <u>DEVON</u> Attention: <u>DEVON</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>273</u>					Lab Use Only Lab WO# <u>E310281</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
										NM CO UT AZ TX <input checked="" type="checkbox"/>				RCRA						
										State										
										DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX										
										Remarks										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
3:00	10/25	S	1	SW9	1															
3:01				SW10	2															
3:10				SW11	3															
3:11				SW12	4															
3:16				SW13	5															
3:22				SW14	6															
3:29				SW15	7															
3:31				SW16	8															
3:33				SW17	9															
3:41				SW18	10															
Additional Instructions: <u>B# 21136154</u>																				
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 6 °C on subsequent days.										
Relinquished by: (Signature) <u>Marine Adame</u> Date <u>10/26/23</u> Time <u>1:15</u>										Received by: (Signature) <u>Michelle Leyle</u> Date <u>10-26-23</u> Time <u>1:15</u>										
Relinquished by: (Signature) <u>Michelle Leyle</u> Date <u>10-26-23</u> Time <u>1:15</u>										Received by: (Signature) <u>Robert M...</u> Date <u>10-26-23</u> Time <u>1:30</u>										
Relinquished by: (Signature) <u>Robert M...</u> Date <u>10-26-23</u> Time <u>2:30</u>										Received by: (Signature) <u>Chate M...</u> Date <u>10-27-23</u> Time <u>8:30</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Project Information

Chain of Custody

Page 10 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program					
Project: <u>STATE R #009</u>					Attention: <u>Devon</u>		Lab WO# <u>E310281</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum					Address:		Analysis and Method											
Address: 5614 N. Lovington Hwy.					City, State, Zip												RCRA	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:													
Phone: 580-748-1613					Email:													
Email: tom@pimaoil.com					Pima Project # <u>273</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			
															NM CO UT AZ TX X			
3:53	10/25	S	1	SW19	11								X					
3:55			1	SW20	12													
																	Remarks	
Additional Instructions: <u>B# 21136154</u>																		
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 6 °C on subsequent days.								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<u>Karime Adams</u>		<u>10/26/23</u>	<u>1:15</u>	<u>Michelle Ceyk</u>		<u>10/26/23</u>	<u>1:15</u>	Received on ice: <u>Y</u> / N										
<u>Michelle Ceyk</u>		<u>10/26/23</u>	<u>1:15</u>	<u>Andrew Muro</u>		<u>10/26/23</u>	<u>1:30</u>	T1 _____ T2 _____ T3 _____										
<u>Andrew Muro</u>		<u>10/26/23</u>	<u>2:30</u>	<u>Carla Muro</u>		<u>10/27/23</u>	<u>8:30</u>	AVG Temp °C <u>4</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: 10/27/2023 11:23:39AM

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:	10/27/23 08:30	Work Order ID:	E310281
Phone:	(575) 631-6977	Date Logged In:	10/26/23 18:19	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	11/02/23 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: CourierSample 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 InstructionComments/Resolution

Project State R #004 has been separated into 5 reports due to high sample volume. Workorders are as follows:
E310277/E310278/E310279/E310280/E310281.

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: STATE R #004

Work Order: E401179

Job Number: 01058-0007

Received: 1/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/31/24

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: 1/31/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E401179
Date Received: 1/27/2024 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/27/2024 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 01/31/24 16:31
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-Bottom	E401179-01A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS2-Bottom	E401179-02A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS3-Bottom	E401179-03A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS4-Bottom	E401179-04A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS5-Bottom	E401179-05A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS6-Bottom	E401179-06A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS7-Bottom	E401179-07A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS8-Bottom	E401179-08A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS9-Bottom	E401179-09A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS10-Bottom	E401179-10A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS11-Bottom	E401179-11A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS12-Bottom	E401179-12A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS13-Bottom	E401179-13A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS14-Bottom	E401179-14A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS15-Bottom	E401179-15A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS16-Bottom	E401179-16A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS17-Bottom	E401179-17A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS18-Bottom	E401179-18A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS19-Bottom	E401179-19A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS20-Bottom	E401179-20A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2024 4:31:38PM

CS1-Bottom

E401179-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
<i>Surrogate: n-Nonane</i>						
	142 %	50-200		01/29/24	01/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2024 4:31:38PM

CS2-Bottom

E401179-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
<i>Surrogate: n-Nonane</i>						
	130 %	50-200		01/29/24	01/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405021
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2024 4:31:38PM

CS3-Bottom

E401179-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/29/24	01/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

CS4-Bottom
E401179-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/29/24	01/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 1/31/2024 4:31:38PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS5-Bottom
E401179-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		01/29/24	01/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

CS6-Bottom
E401179-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		01/29/24	01/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 1/31/2024 4:31:38PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS7-Bottom
E401179-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	94.3 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane	118 %	50-200		01/29/24	01/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2024 4:31:38PM

CS8-Bottom

E401179-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		01/29/24	01/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

CS9-Bottom
E401179-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	97.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.4 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/29/24	
Surrogate: n-Nonane	113 %	50-200		01/29/24	01/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2024 4:31:38PM

CS10-Bottom

E401179-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	128 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405021
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 1/31/2024 4:31:38PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS11-Bottom
E401179-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2024 4:31:38PM

CS12-Bottom

E401179-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405021
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

CS13-Bottom
E401179-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

CS14-Bottom
E401179-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 1/31/2024 4:31:38PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS15-Bottom
E401179-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2024 4:31:38PM

CS16-Bottom

E401179-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405021
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 1/31/2024 4:31:38PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS17-Bottom
E401179-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	124 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

CS18-Bottom
E401179-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
		122 %	50-200	01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 1/31/2024 4:31:38PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS19-Bottom
E401179-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405020	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	124 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405021	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/31/2024 4:31:38PM

CS20-Bottom

E401179-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2405009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.8 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405020
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
		130 %	50-200	01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405021
Chloride	ND	20.0	1	01/29/24	01/30/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405009-BLK1) Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130			

LCS (2405009-BS1) Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	4.95	0.0250	5.00		99.1	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.3	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.97	0.0250	5.00		99.4	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

Matrix Spike (2405009-MS1) Source: E401179-10 Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	4.59	0.0250	5.00	ND	91.8	54-133			
Ethylbenzene	4.62	0.0250	5.00	ND	92.4	61-133			
Toluene	4.66	0.0250	5.00	ND	93.1	61-130			
o-Xylene	4.63	0.0250	5.00	ND	92.7	63-131			
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.8	70-130			

Matrix Spike Dup (2405009-MSD1) Source: E401179-10 Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	4.79	0.0250	5.00	ND	95.8	54-133	4.25	20	
Ethylbenzene	4.84	0.0250	5.00	ND	96.7	61-133	4.50	20	
Toluene	4.87	0.0250	5.00	ND	97.3	61-130	4.40	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	63-131	4.55	20	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	63-131	4.46	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131	4.49	20	
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405009-BLK1) Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

LCS (2405009-BS2) Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

Matrix Spike (2405009-MS2) Source: E401179-10 Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			

Matrix Spike Dup (2405009-MSD2) Source: E401179-10 Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.5	70-130	1.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405020-BLK1)					Prepared: 01/29/24 Analyzed: 01/29/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	50-200			

LCS (2405020-BS1)					Prepared: 01/29/24 Analyzed: 01/29/24				
Diesel Range Organics (C10-C28)	209	25.0	250		83.6	38-132			
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			

Matrix Spike (2405020-MS1)					Source: E401179-04		Prepared: 01/29/24 Analyzed: 01/29/24		
Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.3	38-132			
Surrogate: n-Nonane	55.0		50.0		110	50-200			

Matrix Spike Dup (2405020-MSD1)					Source: E401179-04		Prepared: 01/29/24 Analyzed: 01/29/24		
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.4	38-132	4.30	20	
Surrogate: n-Nonane	57.6		50.0		115	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/31/2024 4:31:38PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2405021-BLK1)					Prepared: 01/29/24 Analyzed: 01/29/24				
Chloride	ND	20.0							
LCS (2405021-BS1)					Prepared: 01/29/24 Analyzed: 01/29/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2405021-MS1)					Source: E401179-02		Prepared: 01/29/24 Analyzed: 01/29/24		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2405021-MSD1)					Source: E401179-02		Prepared: 01/29/24 Analyzed: 01/29/24		
Chloride	254	20.0	250	ND	102	80-120	0.333	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/31/24 16:31

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

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

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



Project Information

Chain of Custody

Page 1 of 15

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>State R #004</u>					Attention: <u>Devon</u>		Lab WO# <u>E 401179</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRQ/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM BDOC TX								State NM CO UT AZ TX	
Phone: <u>580-748-1613</u>					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</u>											
Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRQ/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
10:02	1/25	S	1	CS1 - Bottom	1							X		
10:08				CS2 - Bottom	2									
10:13				CS3 - Bottom	3									
10:18				CS4 - Bottom	4									
10:21				CS5 - Bottom	5									
10:29				CS6 - Bottom	6									
10:32				CS7 - Bottom	7									
10:35				CS8 - Bottom	8									
10:41				CS9 - Bottom	9									
10:46				CS10 - Bottom	10									

Additional Instructions: Billing # 21136154

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>Karine Adams</u>	Date <u>1/26/24</u>	Time <u>6:38</u>	Received by: (Signature) <u>Michelle Rugh</u>	Date <u>1-26-24</u>	Time <u>1838</u>	Lab Use Only Received on ice: <u>(Y) / N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Rugh</u>	Date <u>1-26-24</u>	Time <u>1915</u>	Received by: (Signature) <u>Adrian Alvarado</u>	Date <u>1-26-24</u>	Time <u>1715</u>	
Relinquished by: (Signature) <u>Adrian Alvarado</u>	Date <u>1-26-24</u>	Time <u>2300</u>	Received by: (Signature) <u>Adrian Alvarado</u>	Date <u>1/27/24</u>	Time <u>830</u>	

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

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

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

Project Information

Chain of Custody

Page 2 of 15

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program		
Project: <u>State R #004</u>					Attention: <u>Devon</u>		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum					Address:		<u>E 401179</u>		<u>01058-0007</u>					<u>X</u>			
Address: 5614 N. Lovington Hwy.					City, State, Zip		Analysis and Method								RCRA		
City, State, Zip: <u>Hobbs, NM, 88240</u>					Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	State	
Phone: 580-748-1613					Email:											NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	
Email: tom@pimaoil.com					Pima Project # <u>273</u>											Remarks	
Report due by:																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												
10:51	1/25	S	1	CS11 - Bottom	11								X				
10:58				CS12 - Bottom	12												
11:02				CS13 - Bottom	13												
11:10				CS14 - Bottom	14												
11:15				CS15 - Bottom	15												
11:21				CS16 - Bottom	16												
11:26				CS17 - Bottom	17												
11:30				CS18 - Bottom	18												
11:35				CS19 - Bottom	19												
11:41				CS20 - Bottom	20												
Additional Instructions: <u>Billing # 21136154</u>																	
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 6 °C on subsequent days.							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<u>Karime Adame</u>		<u>1/26/24</u>	<u>6:38</u>	<u>Michelle Gault</u>		<u>1-26-24</u>	<u>1838</u>	Received on ice: <u>(Y)</u> N									
<u>Michelle Gault</u>		<u>1-26-24</u>	<u>1915</u>	<u>Andrew Russo</u>		<u>1-26-24</u>	<u>1715</u>	T1 _____ T2 _____ T3 _____									
<u>Andrew Russo</u>		<u>1-26-24</u>	<u>2300</u>	<u>[Signature]</u>		<u>1/27/24</u>	<u>830</u>	AVG Temp °C <u>4</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: 1/30/2024 10:36:01AM

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:	01/27/24 08:30	Work Order ID:	E401179
Phone:	(575) 631-6977	Date Logged In:	01/26/24 16:22	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
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? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: STATE R #004

Work Order: E401180

Job Number: 01058-0007

Received: 1/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/1/24

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: 2/1/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E401180
Date Received: 1/27/2024 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/27/2024 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 02/01/24 16:36
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS21-Bottom	E401180-01A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS22-Bottom	E401180-02A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS23-Bottom	E401180-03A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS24-Bottom	E401180-04A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS25-Bottom	E401180-05A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS26-Bottom	E401180-06A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS27-Bottom	E401180-07A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS28-Bottom	E401180-08A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS29-Bottom	E401180-09A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS30-Bottom	E401180-10A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS31-Bottom	E401180-11A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS32-Bottom	E401180-12A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS33-Bottom	E401180-13A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS34-Bottom	E401180-14A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS35-Bottom	E401180-15A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS36-Bottom	E401180-16A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS37-Bottom	E401180-17A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS38-Bottom	E401180-18A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS39-Bottom	E401180-19A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS40-Bottom	E401180-20A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/1/2024 4:36:32PM

CS21-Bottom

E401180-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405011
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	93.4 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405011
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2405022
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	97.9 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405023
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/1/2024 4:36:32PM

CS22-Bottom
E401180-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/1/2024 4:36:32PM

CS23-Bottom

E401180-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/1/2024 4:36:32PM

CS24-Bottom

E401180-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/1/2024 4:36:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS25-Bottom
E401180-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	96.5 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/1/2024 4:36:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS26-Bottom
E401180-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	95.7 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/1/2024 4:36:32PM

CS27-Bottom
E401180-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	93.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	96.1 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/1/2024 4:36:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS28-Bottom
E401180-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	94.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	97.1 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/1/2024 4:36:32PM

CS29-Bottom

E401180-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/1/2024 4:36:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS30-Bottom
E401180-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	96.2 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/1/2024 4:36:32PM

CS31-Bottom

E401180-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	98.1 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/1/2024 4:36:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS32-Bottom
E401180-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	91.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	101 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/29/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/1/2024 4:36:32PM

CS33-Bottom
E401180-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	92.8 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	95.9 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/1/2024 4:36:32PM

CS34-Bottom

E401180-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	95.9 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/1/2024 4:36:32PM

CS35-Bottom

E401180-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/1/2024 4:36:32PM

CS36-Bottom

E401180-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>92.6 %</i>	<i>70-130</i>		<i>01/29/24</i>	<i>01/30/24</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>92.1 %</i>	<i>70-130</i>		<i>01/29/24</i>	<i>01/30/24</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>	<i>104 %</i>	<i>50-200</i>		<i>01/29/24</i>	<i>01/30/24</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/1/2024 4:36:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS37-Bottom
E401180-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	95.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	97.3 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/1/2024 4:36:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS38-Bottom
E401180-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	95.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	97.1 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/1/2024 4:36:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS39-Bottom
E401180-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	97.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
Surrogate: n-Nonane	95.5 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/1/2024 4:36:32PM

CS40-Bottom

E401180-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2405022	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/29/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/29/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		01/29/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405023	
Chloride	ND	20.0	1	01/29/24	01/30/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/1/2024 4:36:32PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405011-BLK1) Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			

LCS (2405011-BS1) Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	4.08	0.0250	5.00		81.5	70-130			
Ethylbenzene	4.00	0.0250	5.00		80.0	70-130			
Toluene	4.14	0.0250	5.00		82.7	70-130			
o-Xylene	4.10	0.0250	5.00		82.1	70-130			
p,m-Xylene	8.28	0.0500	10.0		82.8	70-130			
Total Xylenes	12.4	0.0250	15.0		82.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			

Matrix Spike (2405011-MS1) Source: E401180-08 Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	4.39	0.0250	5.00	ND	87.9	54-133			
Ethylbenzene	4.31	0.0250	5.00	ND	86.3	61-133			
Toluene	4.46	0.0250	5.00	ND	89.3	61-130			
o-Xylene	4.45	0.0250	5.00	ND	88.9	63-131			
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			

Matrix Spike Dup (2405011-MSD1) Source: E401180-08 Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	4.85	0.0250	5.00	ND	97.0	54-133	9.90	20	
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	61-133	10.0	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	9.95	20	
o-Xylene	4.90	0.0250	5.00	ND	97.9	63-131	9.66	20	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	63-131	9.90	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131	9.82	20	
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/1/2024 4:36:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405011-BLK1) Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

LCS (2405011-BS2) Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

Matrix Spike (2405011-MS2) Source: E401180-08 Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

Matrix Spike Dup (2405011-MSD2) Source: E401180-08 Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.0	70-130	11.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/1/2024 4:36:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405022-BLK1)					Prepared: 01/29/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.9		50.0		89.8	50-200			

LCS (2405022-BS1)					Prepared: 01/29/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			

Matrix Spike (2405022-MS1)					Source: E401180-03		Prepared: 01/29/24 Analyzed: 01/30/24		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike Dup (2405022-MSD1)					Source: E401180-03		Prepared: 01/29/24 Analyzed: 01/30/24		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	1.32	20	
Surrogate: n-Nonane	50.1		50.0		100	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/1/2024 4:36:32PM

Anions by EPA 300.0/9056A

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 (2405023-BLK1)				Prepared: 01/29/24 Analyzed: 01/29/24					
Chloride	ND	20.0							
LCS (2405023-BS1)				Prepared: 01/29/24 Analyzed: 01/29/24					
Chloride	248	20.0	250		99.4	90-110			
Matrix Spike (2405023-MS1)				Source: E401180-05		Prepared: 01/29/24 Analyzed: 01/29/24			
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2405023-MSD1)				Source: E401180-05		Prepared: 01/29/24 Analyzed: 01/29/24			
Chloride	248	20.0	250	ND	99.1	80-120	0.885	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/01/24 16:36

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 3 of 15

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program				
Project: <u>State R #004</u>					Attention: <u>Devon</u>		Lab WO# <u>E401180</u>		Job Number <u>010580007</u>		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method												
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip												RCRA		
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:										State				
Phone: <u>580-748-1613</u>					Email:										NM	CO	UT	AZ	TX
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</u>										X				
Report due by:															Remarks				
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		BDOC NM	BDOC TX					
11:48	1/25	S	1	CS21 - Bottom	1								X						
11:56				CS22 - Bottom	2														
12:04				CS23 - Bottom	3														
12:10				CS24 - Bottom	4														
12:16				CS25 - Bottom	5														
12:19				CS26 - Bottom	6														
12:24				CS27 - Bottom	7														
12:26				CS28 - Bottom	8														
12:31				CS29 - Bottom	9														
12:37				CS30 - Bottom	10														
Additional Instructions: <u>Billing #21136154</u>																			
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 6 °C on subsequent days.								
Sampled by:																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only											
<u>Carime Adame</u>		<u>1/26/24</u>	<u>6:38</u>	<u>Micelle Cayl</u>		<u>1-26-24</u>	<u>1838</u>	Received on ice: <u>Y</u> N											
<u>Micelle Cayl</u>		<u>1-26-24</u>	<u>1915</u>	<u>Chadren</u>		<u>1-26-24</u>	<u>1715</u>	T1 _____ T2 _____ T3 _____											
<u>Chadren</u>		<u>1-26-24</u>	<u>2300</u>	<u></u>		<u>1/27/24</u>	<u>830</u>	AVG Temp °C <u>4</u>											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Project Information

Chain of Custody

Page 4 of 15

Client: Pima Environmental Services Project: <u>State R #004</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>273</u>					Lab Use Only Lab WO# <u>E401180</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8250 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
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 8250	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
12:42	1/25	S	1	cS31 - Bottom	11							X								
12:46				cS32 - Bottom	12															
12:52				cS33 - Bottom	13															
12:59				cS34 - Bottom	14															
1:06				cS35 - Bottom	15															
1:10				cS36 - Bottom	16															
1:17				cS37 - Bottom	17															
1:28				cS38 - Bottom	18															
1:34				cS39 - Bottom	19															
1:38				cS40 - Bottom	20															
Additional Instructions: <u>Billing # 21136154</u>																				
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 6 °C on subsequent days.								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N												
<u>Karime Adame</u> <u>Guadalupe Guzman</u>		<u>1/26/24</u> <u>1-26-24</u>	<u>6:38</u> <u>1915</u>	<u>Guadalupe Guzman</u> <u>Andrew Mase</u>		<u>1-26-24</u> <u>1-26-24</u>	<u>1838</u> <u>1715</u>	T1 T2 T3 AVG Temp °C <u>4</u>												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
<u>Andrew Mase</u>		<u>1-26-24</u>	<u>2300</u>	<u>Andrew Mase</u>		<u>1/27/24</u>	<u>830</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: 1/30/2024 10:43:41AM

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:	01/27/24 08:30	Work Order ID:	E401180
Phone:	(575) 631-6977	Date Logged In:	01/26/24 16:24	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
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: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: STATE R #004

Work Order: E401181

Job Number: 01058-0007

Received: 1/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/5/24

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: 2/5/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E401181
Date Received: 1/27/2024 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/27/2024 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 02/05/24 16:18
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS41-Bottom	E401181-01A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS42-Bottom	E401181-02A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS43-Bottom	E401181-03A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS44-Bottom	E401181-04A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS45-Bottom	E401181-05A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS46-Bottom	E401181-06A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS47-Bottom	E401181-07A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS48-Bottom	E401181-08A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS49-Bottom	E401181-09A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS50-Bottom	E401181-10A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS51-Bottom	E401181-11A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS52-Bottom	E401181-12A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS53-Bottom	E401181-13A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS54-Bottom	E401181-14A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS55-Bottom	E401181-15A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS56-Bottom	E401181-16A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS57-Bottom	E401181-17A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS58-Bottom	E401181-18A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS59-Bottom	E401181-19A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS60-Bottom	E401181-20A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:18:00PM

CS41-Bottom

E401181-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	85.8 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/5/2024 4:18:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS42-Bottom
E401181-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	98.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane	85.0 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:18:00PM

CS43-Bottom

E401181-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	81.9 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:18:00PM

CS44-Bottom
E401181-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	81.2 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:18:00PM

CS45-Bottom
E401181-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	97.8 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane	85.8 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/5/2024 4:18:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS46-Bottom
E401181-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	98.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane	86.2 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/5/2024 4:18:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS47-Bottom
E401181-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.1 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane	82.9 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:18:00PM

CS48-Bottom
E401181-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	98.8 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.3 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane	83.6 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/5/2024 4:18:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS49-Bottom
E401181-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	99.6 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.9 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	89.2 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:18:00PM

CS50-Bottom

E401181-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405012
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405012
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.1 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
		86.5 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405034
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:18:00PM

CS51-Bottom

E401181-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	79.7 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/5/2024 4:18:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS52-Bottom
E401181-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	88.1 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:18:00PM

CS53-Bottom
E401181-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	87.6 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:18:00PM

CS54-Bottom

E401181-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405012
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405012
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.6 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
		85.5 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405034
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/5/2024 4:18:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS55-Bottom
E401181-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: 4-Bromochlorobenzene-PID	98.0 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	83.0 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:18:00PM

CS56-Bottom

E401181-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	84.1 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:18:00PM

CS57-Bottom

E401181-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405012
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405012
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405037
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	84.7 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405034
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/5/2024 4:18:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS58-Bottom
E401181-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	82.6 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:18:00PM

CS59-Bottom

E401181-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	83.6 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:18:00PM

CS60-Bottom

E401181-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.7 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.9 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405037	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>	82.5 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2405034	
Chloride	ND	20.0	1	01/30/24	01/31/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/5/2024 4:18:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405012-BLK1) Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.4	70-130			

LCS (2405012-BS1) Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	4.68	0.0250	5.00		93.6	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.1	70-130			
Toluene	4.83	0.0250	5.00		96.6	70-130			
o-Xylene	4.86	0.0250	5.00		97.2	70-130			
p,m-Xylene	9.74	0.0500	10.0		97.4	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

Matrix Spike (2405012-MS1) Source: E401181-10 Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	4.68	0.0250	5.00	ND	93.6	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133			
Toluene	4.84	0.0250	5.00	ND	96.8	61-130			
o-Xylene	4.88	0.0250	5.00	ND	97.5	63-131			
p,m-Xylene	9.76	0.0500	10.0	ND	97.6	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

Matrix Spike Dup (2405012-MSD1) Source: E401181-10 Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	4.79	0.0250	5.00	ND	95.9	54-133	2.43	20	
Ethylbenzene	4.85	0.0250	5.00	ND	96.9	61-133	2.67	20	
Toluene	4.96	0.0250	5.00	ND	99.2	61-130	2.48	20	
o-Xylene	5.00	0.0250	5.00	ND	100	63-131	2.46	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	2.60	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	2.56	20	
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/5/2024 4:18:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405012-BLK1) Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.4	70-130			

LCS (2405012-BS2) Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0		88.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

Matrix Spike (2405012-MS2) Source: E401181-10 Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.3	70-130			

Matrix Spike Dup (2405012-MSD2) Source: E401181-10 Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.3	70-130	1.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:18:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405037-BLK1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.9		50.0		83.9	50-200			

LCS (2405037-BS1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	42.3		50.0		84.6	50-200			

Matrix Spike (2405037-MS1)					Source: E401181-04		Prepared: 01/30/24 Analyzed: 01/30/24		
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	44.6		50.0		89.3	50-200			

Matrix Spike Dup (2405037-MSD1)					Source: E401181-04		Prepared: 01/30/24 Analyzed: 01/30/24		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	3.09	20	
Surrogate: n-Nonane	42.9		50.0		85.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:18:00PM

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 (2405034-BLK1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Chloride	ND	20.0							
LCS (2405034-BS1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2405034-MS1)					Source: E401181-11		Prepared: 01/30/24 Analyzed: 01/30/24		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2405034-MSD1)					Source: E401181-11		Prepared: 01/30/24 Analyzed: 01/30/24		
Chloride	253	20.0	250	ND	101	80-120	0.944	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/05/24 16:18

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

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

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





Project Information

Chain of Custody

Page 6 of 15

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program																														
Project: <u>State R #004</u>					Attention: <u>Devon</u>					Lab WO# <u>E 401181</u>					Job Number <u>010580007</u>				1D	2D	3D	Standard	CWA	SDWA																									
Project Manager: Tom Bynum					Address:					Analysis and Method									RCRA																														
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip																																												
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:					DRO/ORO by 8015					GRO/DRO by 8015					BTEX by 8021					VOC by 8250					Metals 6010					Chloride 300.0					BGDOC NM					BGDOC TX				
Phone: <u>580-748-1613</u>					Email:																																												
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</u>					NM					CO					UT					AZ					TX																			
Report due by:																																																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																											
2:35	1/25	S	1	CS51 - Bottom	11																																												
2:41				CS52 - Bottom	12																																												
2:49				CS53 - Bottom	13																																												
2:56				CS54 - Bottom	14																																												
3:04				CS55 - Bottom	15																																												
3:11				CS56 - Bottom	16																																												
3:17				CS57 - Bottom	17																																												
3:21				CS58 - Bottom	18																																												
3:35				CS59 - Bottom	19																																												
3:40				CS60 - Bottom	20																																												
Additional Instructions: <u>Billing # 21136154</u>																																																	
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 6 °C on subsequent days.																																		
Relinquished by: (Signature) <u>Karime Adams</u>					Date <u>1/26/24</u> Time <u>6:38</u>					Received by: (Signature) <u>Nyella Bayl</u>					Date <u>1-26-24</u> Time <u>1838</u>					Lab Use Only																													
Relinquished by: (Signature) <u>Nyella Bayl</u>					Date <u>1-26-24</u> Time <u>1915</u>					Received by: (Signature) <u>Chad MBB</u>					Date <u>1-26-24</u> Time <u>1715</u>					Received on ice: <u>Y</u> N																													
Relinquished by: (Signature) <u>Chad MBB</u>					Date <u>1-26-24</u> Time <u>2300</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>1/27/24</u> Time <u>830</u>					T1 _____ T2 _____ T3 _____																													
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: 1/30/2024 10:52:30AM

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:	01/27/24 08:30	Work Order ID:	E401181
Phone:	(575) 631-6977	Date Logged In:	01/26/24 16:27	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
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: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? 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: STATE R #004

Work Order: E401182

Job Number: 01058-0007

Received: 1/27/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/2/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E401182
Date Received: 1/27/2024 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/27/2024 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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,

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/02/24 13:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS61-Bottom	E401182-01A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS62-Bottom	E401182-02A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS63-Bottom	E401182-03A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS64-Bottom	E401182-04A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS65-Bottom	E401182-05A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS66-Bottom	E401182-06A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS67-Bottom	E401182-07A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS68-Bottom	E401182-08A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS69-Bottom	E401182-09A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS70-Bottom	E401182-10A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS71-Bottom	E401182-11A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS72-Bottom	E401182-12A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS73-Bottom	E401182-13A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS74-Bottom	E401182-14A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS75-Bottom	E401182-15A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS76-Bottom	E401182-16A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS77-Bottom	E401182-17A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS78-Bottom	E401182-18A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS79-Bottom	E401182-19A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS80-Bottom	E401182-20A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 1:09:12PM

CS61-Bottom

E401182-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS62-Bottom
E401182-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	97.8 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.0 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	101 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 1:09:12PM

CS63-Bottom
E401182-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	96.6 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	100 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS64-Bottom
E401182-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	96.5 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	101 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 1:09:12PM

CS65-Bottom
E401182-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.9 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	104 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS66-Bottom
E401182-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	95.6 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	103 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	

Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 1:09:12PM

CS67-Bottom

E401182-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.7 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.8 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>	103 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 1:09:12PM

CS68-Bottom
E401182-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	94.8 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	95.6 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS69-Bottom
E401182-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS70-Bottom
E401182-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	93.7 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	102 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 1:09:12PM

CS71-Bottom

E401182-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405013
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405013
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405039
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 1:09:12PM

CS72-Bottom

E401182-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405013
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405013
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	99.1 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405039
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 1:09:12PM

CS73-Bottom
E401182-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	92.2 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	105 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS74-Bottom
E401182-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	103 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS75-Bottom
E401182-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.8 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	98.6 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS76-Bottom
E401182-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.0 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	103 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 1:09:12PM

CS77-Bottom

E401182-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405013
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405013
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405046
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405039
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 1:09:12PM

CS78-Bottom
E401182-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 1:09:12PM

CS79-Bottom
E401182-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	95.0 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	102 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS80-Bottom
E401182-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Benzene	ND	0.0250	1	01/29/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/31/24	
Toluene	ND	0.0250	1	01/29/24	01/31/24	
o-Xylene	ND	0.0250	1	01/29/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/31/24	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2405013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	70-130		01/29/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405046	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane	99.9 %	50-200		01/30/24	01/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405039	
Chloride	ND	20.0	1	01/30/24	01/31/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 1:09:12PM

Volatile Organics by EPA 8021B

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 (2405013-BLK1) Prepared: 01/29/24 Analyzed: 01/31/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

LCS (2405013-BS1) Prepared: 01/29/24 Analyzed: 01/31/24

Benzene	4.06	0.0250	5.00		81.3	70-130			
Ethylbenzene	4.17	0.0250	5.00		83.3	70-130			
Toluene	4.25	0.0250	5.00		85.0	70-130			
o-Xylene	4.29	0.0250	5.00		85.8	70-130			
p,m-Xylene	8.63	0.0500	10.0		86.3	70-130			
Total Xylenes	12.9	0.0250	15.0		86.1	70-130			

Matrix Spike (2405013-MS1) Source: E401182-11 Prepared: 01/29/24 Analyzed: 01/31/24

Benzene	4.94	0.0250	5.00	ND	98.9	54-133			
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133			
Toluene	4.94	0.0250	5.00	ND	98.8	61-130			
o-Xylene	4.88	0.0250	5.00	ND	97.6	63-131			
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			

Matrix Spike Dup (2405013-MSD1) Source: E401182-11 Prepared: 01/29/24 Analyzed: 01/31/24

Benzene	5.28	0.0250	5.00	ND	105	54-133	6.50	20	
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	6.47	20	
Toluene	5.26	0.0250	5.00	ND	105	61-130	6.37	20	
o-Xylene	5.22	0.0250	5.00	ND	104	63-131	6.71	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	6.41	20	
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131	6.51	20	
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405013-BLK1) Prepared: 01/29/24 Analyzed: 01/31/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	70-130			

LCS (2405013-BS2) Prepared: 01/29/24 Analyzed: 01/31/24

Gasoline Range Organics (C6-C10)	40.0	20.0	50.0		79.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

Matrix Spike (2405013-MS2) Source: E401182-11 Prepared: 01/29/24 Analyzed: 01/31/24

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			

Matrix Spike Dup (2405013-MSD2) Source: E401182-11 Prepared: 01/29/24 Analyzed: 01/31/24

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.5	70-130	0.611	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 1:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405046-BLK1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.7		50.0		103	50-200			

LCS (2405046-BS1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	243	25.0	250		97.2	38-132			
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			

Matrix Spike (2405046-MS1)				Source: E401182-03		Prepared: 01/30/24 Analyzed: 01/31/24			
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	56.6		50.0		113	50-200			

Matrix Spike Dup (2405046-MSD1)				Source: E401182-03		Prepared: 01/30/24 Analyzed: 01/31/24			
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.44	20	
Surrogate: n-Nonane	55.5		50.0		111	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 1:09:12PM

Anions by EPA 300.0/9056A

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
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Blank (2405039-BLK1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Chloride	ND	20.0							
LCS (2405039-BS1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2405039-MS1)					Source: E401182-03		Prepared: 01/30/24 Analyzed: 01/30/24		
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2405039-MSD1)					Source: E401182-03		Prepared: 01/30/24 Analyzed: 01/30/24		
Chloride	259	20.0	250	ND	104	80-120	0.132	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/02/24 13:09

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

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

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

Project Information

Chain of Custody

Page 7 of 15

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program																							
Project: <u>State R #004</u>					Attention: <u>Devon</u>					Lab WO# <u>E401182</u>					Job Number <u>010580007</u>				1D	2D	3D	Standard	CWA	SDWA																		
Project Manager: Tom Bynum					Address:					Analysis and Method																																
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip																																					
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:					DRO/ORO by 8015					GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC NM				BGDOC TX			
Phone: <u>580-748-1613</u>					Email:																																					
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</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	Remarks
3:47	1/25	S	1	CS61 - Bottom	1							X		
3:59				CS62 - Bottom	2									
4:06				CS63 - Bottom	3									
4:11				CS64 - Bottom	4									
4:18				CS65 - Bottom	5									
4:22				CS66 - Bottom	6									
4:28				CS67 - Bottom	7									
4:32				CS68 - Bottom	8									
4:39				CS69 - Bottom	9									
4:45				CS70 - Bottom	10									

Additional Instructions: Billing # 21136 / 54

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

Relinquished by: (Signature) Karime Adame Date 1/26/24 Time 6:38 Received by: (Signature) Michelle Cay J Date 1-26-24 Time 1838

Relinquished by: (Signature) Michelle Cay J Date 1-26-24 Time 1915 Received by: (Signature) Andrea M. 880 Date 1-26-24 Time 1715

Relinquished by: (Signature) Andrea M. 880 Date 1-26-24 Time 2300 Received by: (Signature) _____ Date 1/27/24 Time 830

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Project Information



Envirotech Analytical Laboratory

Printed: 1/30/2024 11:02:41AM

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:	01/27/24 08:30	Work Order ID:	E401182
Phone:	(575) 631-6977	Date Logged In:	01/26/24 16:29	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
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: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C 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: STATE R #004

Work Order: E401183

Job Number: 21136154

Received: 1/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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: 2/2/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E401183
Date Received: 1/27/2024 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/27/2024 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	21136154	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/02/24 14:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS81-Bottom	E401183-01A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS82-Bottom	E401183-02A	Soil	01/25/24	01/27/24	Glass Jar, 2 oz.
CS83-Bottom	E401183-03A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS84-Bottom	E401183-04A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS85-Bottom	E401183-05A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS86-Bottom	E401183-06A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS87-Bottom	E401183-07A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS88-Bottom	E401183-08A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS89-Bottom	E401183-09A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS90-Bottom	E401183-10A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS91-Bottom	E401183-11A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS92-Bottom	E401183-12A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS93-Bottom	E401183-13A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS94-Bottom	E401183-14A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS95-Bottom	E401183-15A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS96-Bottom	E401183-16A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS97-Bottom	E401183-17A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS98-Bottom	E401183-18A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS99-Bottom	E401183-19A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CS100-Bottom	E401183-20A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: STATE R #004 Project Number: 21136154 Project Manager: Tom Bynum	Reported: 2/2/2024 2:30:26PM
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CS81-Bottom

E401183-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	01/30/24	01/31/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	01/30/24	01/31/24	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	01/30/24	01/31/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	01/30/24	01/31/24	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
<i>Surrogate: n-Nonane</i>		94.3 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS82-Bottom

E401183-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		94.0 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS83-Bottom

E401183-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		90.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		90.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		97.3 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS84-Bottom

E401183-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		94.0 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	21136154	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:30:26PM

CS85-Bottom
E401183-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		107 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		116 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		107 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		91.9 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	21136154	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:30:26PM

CS86-Bottom
E401183-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		91.7 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS87-Bottom

E401183-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		111 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		111 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		93.9 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS88-Bottom

E401183-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/30/24	
Toluene	ND	0.0250	1	01/30/24	01/30/24	
o-Xylene	ND	0.0250	1	01/30/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/30/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	01/30/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/30/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	01/30/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		94.1 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS89-Bottom

E401183-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		107 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		107 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		89.7 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS90-Bottom

E401183-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		95.1 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	21136154	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:30:26PM

CS91-Bottom
E401183-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		106 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		106 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		96.5 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS92-Bottom

E401183-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		95.8 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	21136154	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:30:26PM

CS93-Bottom
E401183-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		106 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		106 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		96.6 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	21136154	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:30:26PM

CS94-Bottom
E401183-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		94.1 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS95-Bottom

E401183-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		93.9 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS96-Bottom

E401183-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		107 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		107 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		92.3 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS97-Bottom

E401183-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		111 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		111 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		96.8 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS98-Bottom

E401183-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		99.8 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS99-Bottom

E401183-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		98.9 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 21136154
Project Manager: Tom Bynum

Reported:
2/2/2024 2:30:26PM

CS100-Bottom

E401183-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		102 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405045
Chloride	ND	20.0	1	01/30/24	01/31/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	21136154	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:30:26PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2405030-BLK1)

Prepared: 01/30/24 Analyzed: 01/30/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

LCS (2405030-BS1)

Prepared: 01/30/24 Analyzed: 01/30/24

Benzene	2.75	0.0250	2.50		110	70-130			
Ethylbenzene	2.82	0.0250	2.50		113	70-130			
Toluene	2.75	0.0250	2.50		110	70-130			
o-Xylene	2.79	0.0250	2.50		112	70-130			
p,m-Xylene	5.55	0.0500	5.00		111	70-130			
Total Xylenes	8.34	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.570		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			

Matrix Spike (2405030-MS1)

Source: E401183-08

Prepared: 01/30/24 Analyzed: 01/30/24

Benzene	2.72	0.0250	2.50	ND	109	48-131			
Ethylbenzene	2.76	0.0250	2.50	ND	110	45-135			
Toluene	2.67	0.0250	2.50	ND	107	48-130			
o-Xylene	2.75	0.0250	2.50	ND	110	43-135			
p,m-Xylene	5.48	0.0500	5.00	ND	110	43-135			
Total Xylenes	8.24	0.0250	7.50	ND	110	43-135			
Surrogate: Bromofluorobenzene	0.567		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

Matrix Spike Dup (2405030-MSD1)

Source: E401183-08

Prepared: 01/30/24 Analyzed: 01/31/24

Benzene	2.71	0.0250	2.50	ND	109	48-131	0.0552	23	
Ethylbenzene	2.78	0.0250	2.50	ND	111	45-135	0.777	27	
Toluene	2.67	0.0250	2.50	ND	107	48-130	0.0937	24	
o-Xylene	2.76	0.0250	2.50	ND	110	43-135	0.218	27	
p,m-Xylene	5.48	0.0500	5.00	ND	110	43-135	0.100	27	
Total Xylenes	8.24	0.0250	7.50	ND	110	43-135	0.00608	27	
Surrogate: Bromofluorobenzene	0.562		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	21136154	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:30:26PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405030-BLK1)

Prepared: 01/30/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

LCS (2405030-BS2)

Prepared: 01/30/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.8	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			

Matrix Spike (2405030-MS2)

Source: E401183-08

Prepared: 01/30/24 Analyzed: 01/31/24

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.562		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

Matrix Spike Dup (2405030-MSD2)

Source: E401183-08

Prepared: 01/30/24 Analyzed: 01/31/24

Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130	4.10	20	
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	21136154	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:30:26PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405047-BLK1) Prepared: 01/30/24 Analyzed: 01/31/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.1		50.0		96.3	50-200			

LCS (2405047-BS1) Prepared: 01/30/24 Analyzed: 01/31/24

Diesel Range Organics (C10-C28)	231	25.0	250		92.3	38-132			
Surrogate: n-Nonane	45.4		50.0		90.7	50-200			

Matrix Spike (2405047-MS1) Source: E401183-05 Prepared: 01/30/24 Analyzed: 01/31/24

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.2	38-132			
Surrogate: n-Nonane	42.9		50.0		85.7	50-200			

Matrix Spike Dup (2405047-MSD1) Source: E401183-05 Prepared: 01/30/24 Analyzed: 01/31/24

Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132	1.41	20	
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	21136154	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:30:26PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2405045-BLK1)					Prepared: 01/30/24 Analyzed: 01/31/24				
Chloride	ND	20.0							
LCS (2405045-BS1)					Prepared: 01/30/24 Analyzed: 01/31/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2405045-MS1)					Source: E401183-03		Prepared: 01/30/24 Analyzed: 01/31/24		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2405045-MSD1)					Source: E401183-03		Prepared: 01/30/24 Analyzed: 01/31/24		
Chloride	253	20.0	250	ND	101	80-120	0.346	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:	STATE R #004	
PO Box 247	Project Number:	21136154	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/02/24 14:30

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

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

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



Project Information

Chain of Custody

Page 9 of 15

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program					
Project: <u>State R #004</u>					Attention: <u>Devon</u>					Lab WO# <u>E401183</u>					Job Number <u>010580007</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:					Analysis and Method									RCRA					
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip																			
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:														State					
Phone: <u>580-748-1613</u>					Email:																			
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</u>														NM CO UT AZ TX					
Report due by:																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/QRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks										
5:52	1/25	S	1	CS81 - Bottom	1							X												
5:59	1			CS82 - Bottom	2																			
7:30 ^{AM}	1/26			CS83 - Bottom	3																			
7:42				CS84 - Bottom	4																			
7:56				CS85 - Bottom	5																			
8:10				CS86 - Bottom	6																			
8:19				CS87 - Bottom	7																			
8:26				CS88 - Bottom	8																			
8:36				CS89 - Bottom	9																			
8:43				CS90 - Bottom	10																			
Additional Instructions: <u>Billing # 21136154</u>																								
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 6 °C on subsequent days.												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only												
<u>Karine Adame</u>		<u>1/26/24</u>		<u>6:38</u>		<u>Michelle Cough</u>		<u>1-26-24</u>		<u>1838</u>		Received on ice: <u>Y</u> N												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3												
<u>Michelle Cough</u>		<u>1-26-24</u>		<u>1915</u>		<u>Andrew</u>		<u>1-26-24</u>		<u>1715</u>														
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C												
<u>Andrew</u>		<u>1-26-24</u>		<u>2300</u>		<u>Devon</u>		<u>1/27/24</u>		<u>830</u>		<u>4</u>												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								

Project Information

Chain of Custody

Page 10 of 15

Client: <u>Pima Environmental Services</u>				Bill To				Lab Use Only				TAT				EPA Program		
Project: <u>State R #004</u>				Attention: <u>Devon</u>				Lab WO# <u>E401183</u>		Job Number <u>010580007</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Tom Bynum</u>				Address:				Analysis and Method								RCRA		
Address: <u>5614 N. Lovington Hwy.</u>				City, State, Zip												State		
City, State, Zip <u>Hobbs, NM, 88240</u>				Phone:				NM		CO	UT	AZ	TX					
Phone: <u>580-748-1613</u>				Email:				DRO/ORO by 8015		GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BSDOC TX		
Email: <u>tom@pimaoil.com</u>				Pima Project # <u>273</u>														
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
8:51	1/26	S	1	CS91 - Bottom	11													
9:16				CS92 - Bottom	12													
9:19				CS93 - Bottom	13													
9:27				CS94 - Bottom	14													
9:36				CS95 - Bottom	15													
9:39				CS96 - Bottom	16													
9:46				CS97 - Bottom	17													
9:51				CS98 - Bottom	18													
10:03				CS99 - Bottom	19													
10:16				CS100 - Bottom	20													
Additional Instructions: <u>Billing # 21136154</u>																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by:																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<u>Karime Adams</u>		<u>1/26/24</u>	<u>6:38</u>	<u>Michelle Caryl</u>		<u>1-26-24</u>	<u>1838</u>	Received on ice: <u>Y</u> N										
<u>Michelle Caryl</u>		<u>1-26-24</u>	<u>1915</u>	<u>Adrian</u>		<u>1-26-24</u>	<u>1715</u>	T1 T2 T3										
<u>Adrian</u>		<u>1-26-24</u>	<u>2300</u>	<u>Adrian</u>		<u>1/27/24</u>	<u>830</u>	AVG Temp °C <u>4</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: 1/30/2024 11:11:33AM

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:	01/27/24 08:30	Work Order ID:	E401183
Phone:	(575) 631-6977	Date Logged In:	01/26/24 16:31	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
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: State R #004, has been separated into multiple reports due to high sample volume. WO # are as follows: E401179/ E401180/ E401181/ E401182/ E401183/ E401184/ E401185. Sample jars were not labeled with C in the sample ID as indicated on the COC.

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: STATE R #004

Work Order: E401184

Job Number: 01058-0007

Received: 1/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/5/24

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: 2/5/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E401184
Date Received: 1/27/2024 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/27/2024 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 02/05/24 16:32
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS101-Bottom	E401184-01A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW1	E401184-02A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW2	E401184-03A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW3	E401184-04A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW4	E401184-05A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW5	E401184-06A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW6	E401184-07A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW7	E401184-08A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW8	E401184-09A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW9	E401184-10A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW10	E401184-11A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW11	E401184-12A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW12	E401184-13A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW13	E401184-14A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW14	E401184-15A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW15	E401184-16A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW16	E401184-17A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW17	E401184-18A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW18	E401184-19A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW19	E401184-20A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CS101-Bottom

E401184-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene	110 %	70-130		01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		01/30/24	01/31/24	
Surrogate: Toluene-d8	108 %	70-130		01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene	110 %	70-130		01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		01/30/24	01/31/24	
Surrogate: Toluene-d8	108 %	70-130		01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane	91.0 %	50-200		01/31/24	01/31/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW1

E401184-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		87.3 %	50-200	01/31/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW2

E401184-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		106 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		106 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		89.8 %	50-200	01/31/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW3

E401184-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		90.5 %	50-200	01/31/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW4

E401184-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		88.2 %	50-200	01/31/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW5

E401184-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		90.8 %	50-200	01/31/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW6

E401184-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		92.7 %	50-200	01/31/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW7

E401184-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		113 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		113 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	01/31/24	
Surrogate: n-Nonane		88.1 %	50-200	01/31/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW8

E401184-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		89.6 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:32:33PM

CSW9

E401184-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		86.3 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW10

E401184-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		87.6 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW11

E401184-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		90.0 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW12

E401184-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		89.2 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW13

E401184-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		89.5 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW14

E401184-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		92.0 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW15

E401184-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		87.7 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW16

E401184-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		107 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		107 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		90.2 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW17

E401184-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		109 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		88.9 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW18

E401184-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	01/31/24	
Ethylbenzene	ND	0.0250	1	01/30/24	01/31/24	
Toluene	ND	0.0250	1	01/30/24	01/31/24	
o-Xylene	ND	0.0250	1	01/30/24	01/31/24	
p,m-Xylene	ND	0.0500	1	01/30/24	01/31/24	
Total Xylenes	ND	0.0250	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	01/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/30/24	01/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	01/30/24	01/31/24	
Surrogate: Toluene-d8		108 %	70-130	01/30/24	01/31/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		89.0 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/5/2024 4:32:33PM

CSW19

E401184-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Benzene	ND	0.0250	1	01/30/24	02/01/24	
Ethylbenzene	ND	0.0250	1	01/30/24	02/01/24	
Toluene	ND	0.0250	1	01/30/24	02/01/24	
o-Xylene	ND	0.0250	1	01/30/24	02/01/24	
p,m-Xylene	ND	0.0500	1	01/30/24	02/01/24	
Total Xylenes	ND	0.0250	1	01/30/24	02/01/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	02/01/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	01/30/24	02/01/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	02/01/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2405032
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/24	02/01/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/30/24	02/01/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	01/30/24	02/01/24	
Surrogate: Toluene-d8		110 %	70-130	01/30/24	02/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/24	02/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/24	02/01/24	
Surrogate: n-Nonane		90.3 %	50-200	01/31/24	02/01/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2405048
Chloride	ND	20.0	1	01/30/24	01/31/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:32:33PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2405032-BLK1) Prepared: 01/30/24 Analyzed: 02/01/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

LCS (2405032-BS1) Prepared: 01/30/24 Analyzed: 02/01/24

Benzene	2.60	0.0250	2.50		104	70-130			
Ethylbenzene	2.70	0.0250	2.50		108	70-130			
Toluene	2.56	0.0250	2.50		103	70-130			
o-Xylene	2.70	0.0250	2.50		108	70-130			
p,m-Xylene	5.36	0.0500	5.00		107	70-130			
Total Xylenes	8.06	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.558		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike (2405032-MS1) Source: E401184-08 Prepared: 01/30/24 Analyzed: 02/01/24

Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135			
Toluene	2.57	0.0250	2.50	ND	103	48-130			
o-Xylene	2.75	0.0250	2.50	ND	110	43-135			
p,m-Xylene	5.43	0.0500	5.00	ND	109	43-135			
Total Xylenes	8.18	0.0250	7.50	ND	109	43-135			
Surrogate: Bromofluorobenzene	0.571		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

Matrix Spike Dup (2405032-MSD1) Source: E401184-08 Prepared: 01/30/24 Analyzed: 02/01/24

Benzene	2.50	0.0250	2.50	ND	99.9	48-131	5.30	23	
Ethylbenzene	2.59	0.0250	2.50	ND	103	45-135	3.46	27	
Toluene	2.47	0.0250	2.50	ND	98.9	48-130	3.91	24	
o-Xylene	2.69	0.0250	2.50	ND	108	43-135	2.09	27	
p,m-Xylene	5.35	0.0500	5.00	ND	107	43-135	1.51	27	
Total Xylenes	8.04	0.0250	7.50	ND	107	43-135	1.71	27	
Surrogate: Bromofluorobenzene	0.590		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:32:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405032-BLK1)

Prepared: 01/30/24 Analyzed: 02/01/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

LCS (2405032-BS2)

Prepared: 01/30/24 Analyzed: 02/01/24

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.564		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

Matrix Spike (2405032-MS2)

Source: E401184-08

Prepared: 01/30/24 Analyzed: 02/01/24

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130			
Surrogate: Bromofluorobenzene	0.570		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

Matrix Spike Dup (2405032-MSD2)

Source: E401184-08

Prepared: 01/30/24 Analyzed: 02/01/24

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130	5.82	20	
Surrogate: Bromofluorobenzene	0.575		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:32:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405063-BLK1)					Prepared: 01/31/24 Analyzed: 01/31/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.8		50.0		95.5	50-200			

LCS (2405063-BS1)					Prepared: 01/31/24 Analyzed: 01/31/24				
Diesel Range Organics (C10-C28)	240	25.0	250		96.1	38-132			
Surrogate: n-Nonane	46.2		50.0		92.5	50-200			

Matrix Spike (2405063-MS1)					Source: E401184-04		Prepared: 01/31/24 Analyzed: 01/31/24		
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.7	38-132			
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			

Matrix Spike Dup (2405063-MSD1)					Source: E401184-04		Prepared: 01/31/24 Analyzed: 01/31/24		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	38-132	1.72	20	
Surrogate: n-Nonane	45.6		50.0		91.1	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/5/2024 4:32:33PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2405048-BLK1)					Prepared: 01/30/24 Analyzed: 01/31/24				
Chloride	ND	20.0							
LCS (2405048-BS1)					Prepared: 01/30/24 Analyzed: 01/31/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2405048-MS1)					Source: E401184-03		Prepared: 01/30/24 Analyzed: 01/31/24		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2405048-MSD1)					Source: E401184-03		Prepared: 01/30/24 Analyzed: 01/31/24		
Chloride	252	20.0	250	ND	101	80-120	0.163	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/05/24 16:32

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

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

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



Project Information

Chain of Custody

Page 11 of 15

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program																							
Project: State R #004					Attention: Peron					Lab WO# E 401184					Job Number 010580007				1D	2D	3D	Standard	CWA	SDWA																		
Project Manager: Tom Bynum					Address:					Analysis and Method																																
Address: 5614 N. Lovington Hwy.					City, State, Zip																																					
City, State, Zip Hobbs, NM, 88240					Phone:					DRO/ORO by 8015					GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC NM				BGDOC TX			
Phone: 580-748-1613					Email:																																					
Email: tom@pimaoil.com					Pima Project # 273																																					
Report due by:																																										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																				
10:31	1/26	S	1	CS101 - Bottom	1																																					
10:36				CSW1	2																																					
10:40				CSW2	3																																					
10:45				CSW3	4																																					
10:59				CSW4	5																																					
11:17				CSW5	6																																					
11:26				CSW6	7																																					
11:37				CSW7	8																																					
11:49				CSW8	9																																					
11:56				CSW9	10																																					
Additional Instructions: Billing # 21136154																																										
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 6 °C on subsequent days.																											
Relinquished by: (Signature) Karine Adams															Received by: (Signature) Michelle Camp																											
Date 1/26/24 Time 6:38															Date 1-26-24 Time 1838																											
Relinquished by: (Signature) Michelle Camp															Received by: (Signature) Chadron																											
Date 1-26-24 Time 1915															Date 1-26-24 Time 1715																											
Relinquished by: (Signature) Chadron															Received by: (Signature) [Signature]																											
Date 1-26-24 Time 2300															Date 1/27/24 Time 830																											
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.																																										

Client: Pima Environmental Services				Bill To				Lab Use Only				TAT				EPA Program						
Project: <u>State R #004</u>				Attention: <u>Devon</u>				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Tom Bynum				Address:				<u>E401184</u>		<u>610580007</u>					<u>X</u>							
Address: 5614 N. Lovington Hwy.				City, State, Zip				Analysis and Method												RCRA		
City, State, Zip <u>Hobbs, NM, 88240</u>				Phone:														State				
Phone: 580-748-1613				Email:														NM	CO	UT	AZ	TX
Email: tom@pimaoil.com				Pima Project # <u>273</u>														<u>X</u>				
Report due by:																		Remarks				
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						
12:10	1/26	S	1	CSW10	11										<u>X</u>							
12:17				CSW11	12																	
12:25				CSW12	13																	
12:38				CSW13	14																	
12:46				CSW14	15																	
12:51				CSW15	16																	
1:18				CSW16	17																	
1:26				CSW17	18																	
1:31				CSW18	19																	
1:39				CSW19	20																	
Additional Instructions: <u>Billing # 21136154</u>																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Sampled by:												Lab Use Only										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <u>Y</u> / N														
<u>Karime Adams</u>		<u>1/26/24</u>	<u>6:38</u>	<u>Mylene Coyt</u>		<u>1-26-24</u>	<u>1838</u>															
<u>Mylene Coyt</u>		<u>1-26-24</u>	<u>1915</u>	<u>Chadren</u>		<u>1-26-24</u>	<u>1715</u>	T1 _____ T2 _____ T3 _____														
<u>Chadren</u>		<u>1-26-24</u>	<u>2300</u>	<u>[Signature]</u>		<u>1/27/24</u>	<u>830</u>	AVG Temp °C <u>4</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: 1/30/2024 11:19:03AM

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:	01/27/24 08:30	Work Order ID:	E401184
Phone:	(575) 631-6977	Date Logged In:	01/26/24 16:34	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
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.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: STATE R #004

Work Order: E401185

Job Number: 01058-0007

Received: 1/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/2/24

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: 2/2/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: STATE R #004
Workorder: E401185
Date Received: 1/27/2024 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/27/2024 8:30:00AM, under the Project Name: STATE R #004.

The analytical test results summarized in this report with the Project Name: STATE R #004 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/02/24 14:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW20	E401185-01A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW21	E401185-02A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW22	E401185-03A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW23	E401185-04A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW24	E401185-05A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW25	E401185-06A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW26	E401185-07A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW27	E401185-08A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW28	E401185-09A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW29	E401185-10A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW30	E401185-11A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW31	E401185-12A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW32	E401185-13A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW33	E401185-14A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW34	E401185-15A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW35	E401185-16A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW36	E401185-17A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW37	E401185-18A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW38	E401185-19A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW39	E401185-20A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW40	E401185-21A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW41	E401185-22A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.
CSW42	E401185-23A	Soil	01/26/24	01/27/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW20

E401185-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2405010	
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	01/29/24	01/30/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	01/29/24	01/30/24	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2405010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	01/29/24	01/30/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	01/29/24	01/30/24	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405028	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405040	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW21

E401185-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		107 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane		107 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW22

E401185-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		107 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		107 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane		111 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW23

E401185-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		114 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		114 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane		107 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW24

E401185-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		107 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.1 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		107 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane		115 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW25

E401185-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane		108 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW26

E401185-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane		108 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW27

E401185-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane		106 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW28

E401185-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane		107 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW29

E401185-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane		107 %	50-200	01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW30

E401185-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		104 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW31

E401185-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		108 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		106 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW32

E401185-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		109 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW33

E401185-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		110 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		106 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW34

E401185-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		107 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		111 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		107 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		107 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW35

E401185-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		107 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW36

E401185-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		109 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		106 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW37

E401185-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		106 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		106 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		108 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		110 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW38

E401185-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		110 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		112 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		110 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		110 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW39

E401185-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Benzene	ND	0.0250	1	01/29/24	01/30/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/30/24	
Toluene	ND	0.0250	1	01/29/24	01/30/24	
o-Xylene	ND	0.0250	1	01/29/24	01/30/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/30/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		110 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2405010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/30/24	
Surrogate: Bromofluorobenzene		109 %	70-130	01/29/24	01/30/24	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	01/29/24	01/30/24	
Surrogate: Toluene-d8		110 %	70-130	01/29/24	01/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2405028
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/31/24	
Surrogate: n-Nonane		106 %	50-200	01/30/24	01/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2405040
Chloride	ND	20.0	1	01/30/24	01/31/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW40

E401185-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405007	
Benzene	ND	0.0250	1	01/29/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/29/24	
Toluene	ND	0.0250	1	01/29/24	01/29/24	
o-Xylene	ND	0.0250	1	01/29/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/29/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		01/29/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/29/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		01/29/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405027	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	90.1 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405041	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

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

Project Name: STATE R #004
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/2/2024 2:23:32PM

CSW41

E401185-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405007	
Benzene	ND	0.0250	1	01/29/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/29/24	
Toluene	ND	0.0250	1	01/29/24	01/29/24	
o-Xylene	ND	0.0250	1	01/29/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/29/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		01/29/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2405007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/29/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		01/29/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2405027	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
<i>Surrogate: n-Nonane</i>						
	90.6 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2405041	
Chloride	ND	20.0	1	01/30/24	01/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported: 2/2/2024 2:23:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CSW42

E401185-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2405007	
Benzene	ND	0.0250	1	01/29/24	01/29/24	
Ethylbenzene	ND	0.0250	1	01/29/24	01/29/24	
Toluene	ND	0.0250	1	01/29/24	01/29/24	
o-Xylene	ND	0.0250	1	01/29/24	01/29/24	
p,m-Xylene	ND	0.0500	1	01/29/24	01/29/24	
Total Xylenes	ND	0.0250	1	01/29/24	01/29/24	
Surrogate: 4-Bromochlorobenzene-PID	98.4 %	70-130		01/29/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2405007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/29/24	01/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.7 %	70-130		01/29/24	01/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2405027	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/24	01/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/24	01/30/24	
Surrogate: n-Nonane	89.7 %	50-200		01/30/24	01/30/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2405041	
Chloride	ND	20.0	1	01/30/24	01/30/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:23:32PM

Volatile Organic Compounds by EPA 8260B

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
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Blank (2405010-BLK1)

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			

LCS (2405010-BS1)

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	2.48	0.0250	2.50		99.3	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.57	0.0250	2.50		103	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.77	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

Matrix Spike (2405010-MS1)

Source: E401185-10

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	2.49	0.0250	2.50	ND	99.4	48-131			
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135			
Toluene	2.50	0.0250	2.50	ND	100	48-130			
o-Xylene	2.64	0.0250	2.50	ND	106	43-135			
p,m-Xylene	5.25	0.0500	5.00	ND	105	43-135			
Total Xylenes	7.89	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

Matrix Spike Dup (2405010-MSD1)

Source: E401185-10

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	2.46	0.0250	2.50	ND	98.5	48-131	0.950	23	
Ethylbenzene	2.62	0.0250	2.50	ND	105	45-135	0.575	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	1.27	24	
o-Xylene	2.61	0.0250	2.50	ND	104	43-135	1.33	27	
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135	0.487	27	
Total Xylenes	7.83	0.0250	7.50	ND	104	43-135	0.770	27	
Surrogate: Bromofluorobenzene	0.573		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:23:32PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405007-BLK1) Prepared: 01/29/24 Analyzed: 01/29/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			

LCS (2405007-BS1) Prepared: 01/29/24 Analyzed: 01/29/24

Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	5.05	0.0250	5.00		101	70-130			
Toluene	5.08	0.0250	5.00		102	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			

Matrix Spike (2405007-MS1) Source: E401185-23 Prepared: 01/29/24 Analyzed: 01/29/24

Benzene	4.56	0.0250	5.00	ND	91.1	54-133			
Ethylbenzene	4.55	0.0250	5.00	ND	91.1	61-133			
Toluene	4.58	0.0250	5.00	ND	91.7	61-130			
o-Xylene	4.59	0.0250	5.00	ND	91.7	63-131			
p,m-Xylene	9.29	0.0500	10.0	ND	92.9	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			

Matrix Spike Dup (2405007-MSD1) Source: E401185-23 Prepared: 01/29/24 Analyzed: 01/29/24

Benzene	4.84	0.0250	5.00	ND	96.9	54-133	6.09	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	61-133	6.46	20	
Toluene	4.88	0.0250	5.00	ND	97.7	61-130	6.35	20	
o-Xylene	4.89	0.0250	5.00	ND	97.7	63-131	6.37	20	
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131	6.26	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131	6.30	20	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:23:32PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405007-BLK1) Prepared: 01/29/24 Analyzed: 01/29/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

LCS (2405007-BS2) Prepared: 01/29/24 Analyzed: 01/29/24

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			

Matrix Spike (2405007-MS2) Source: E401185-23 Prepared: 01/29/24 Analyzed: 01/29/24

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2405007-MSD2) Source: E401185-23 Prepared: 01/29/24 Analyzed: 01/29/24

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.3	70-130	0.808	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:23:32PM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2405010-BLK1)

Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.552		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.561		0.500		112	70-130			

LCS (2405010-BS2)

Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

Matrix Spike (2405010-MS2)

Source: E401185-10

Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.562		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

Matrix Spike Dup (2405010-MSD2)

Source: E401185-10

Prepared: 01/29/24 Analyzed: 01/30/24

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130	5.23	20	
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.3	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:23:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405027-BLK1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.0		50.0		92.0	50-200			

LCS (2405027-BS1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	243	25.0	250		97.1	38-132			
Surrogate: n-Nonane	44.3		50.0		88.5	50-200			

Matrix Spike (2405027-MS1)					Source: E401214-01		Prepared: 01/30/24 Analyzed: 01/30/24		
Diesel Range Organics (C10-C28)	395	50.0	250	135	104	38-132			
Surrogate: n-Nonane	42.9		50.0		85.8	50-200			

Matrix Spike Dup (2405027-MSD1)					Source: E401214-01		Prepared: 01/30/24 Analyzed: 01/30/24		
Diesel Range Organics (C10-C28)	399	50.0	250	135	105	38-132	1.10	20	
Surrogate: n-Nonane	45.4		50.0		90.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:23:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2405028-BLK1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.3		50.0		107	50-200			

LCS (2405028-BS1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matrix Spike (2405028-MS1)					Source: E401185-05		Prepared: 01/30/24 Analyzed: 01/30/24		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike Dup (2405028-MSD1)					Source: E401185-05		Prepared: 01/30/24 Analyzed: 01/30/24		
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	1.50	20	
Surrogate: n-Nonane	55.5		50.0		111	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:23:32PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2405040-BLK1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Chloride	ND	20.0							
LCS (2405040-BS1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2405040-MS1)					Source: E401185-04		Prepared: 01/30/24 Analyzed: 01/30/24		
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2405040-MSD1)					Source: E401185-04		Prepared: 01/30/24 Analyzed: 01/30/24		
Chloride	250	20.0	250	ND	100	80-120	0.101	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	STATE R #004	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/2/2024 2:23:32PM

Anions by EPA 300.0/9056A

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
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Blank (2405041-BLK1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Chloride	ND	20.0							
LCS (2405041-BS1)					Prepared: 01/30/24 Analyzed: 01/30/24				
Chloride	244	20.0	250		97.5	90-110			
Matrix Spike (2405041-MS1)					Source: E401186-03		Prepared: 01/30/24 Analyzed: 01/30/24		
Chloride	306	20.0	250	54.4	101	80-120			
Matrix Spike Dup (2405041-MSD1)					Source: E401186-03		Prepared: 01/30/24 Analyzed: 01/30/24		
Chloride	306	20.0	250	54.4	100	80-120	0.280	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:	STATE R #004	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/02/24 14:23

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

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

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



Project Information

Chain of Custody

Page 13 of 15


Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program								
Project: <u>State 2 #004</u>					Attention: <u>Rexon</u>					Lab WO# <u>E401185</u>					Job Number <u>010580007</u>				1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Tom Bynum					Address:					Analysis and Method																	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip																						
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:														RCRA								
Phone: <u>580-748-1613</u>					Email:																						
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</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	NM	CO	UT	AZ	TX	Remarks	
1:45	1/26	S	1	CSW 20	1									X													
1:56				CSW 21	2																						
2:06				CSW 22	3																						
2:11				CSW 23	4																						
2:17				CSW 24	5																						
2:20				CSW 25	6																						
2:26				CSW 26	7																						
2:35				CSW 27	8																						
2:41				CSW 28	9																						
2:49				CSW 29	10																						
Additional Instructions: <u>Billing # 21136154</u>																											
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 6 °C on subsequent days.													
Relinquished by: (Signature) <u>Carline Adams</u>														Received by: (Signature) <u>Myselle Gay</u>													
Date <u>1/26/24</u> Time <u>6:38</u>														Date <u>1-26-24</u> Time <u>1838</u>													
Relinquished by: (Signature) <u>Myselle Gay</u>														Received by: (Signature) <u>Chadwick</u>													
Date <u>1-26-24</u> Time <u>1915</u>														Date <u>1-26-24</u> Time <u>1715</u>													
Relinquished by: (Signature) <u>Chadwick</u>														Received by: (Signature) <u>Ally</u>													
Date <u>1-26-24</u> Time <u>2300</u>														Date <u>1/27/24</u> Time <u>830</u>													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other														Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																											

Project Information

Chain of Custody

Page 14 of 15

Client: <u>Pima Environmental Services</u>					Bill To					Lab Use Only					TAT				EPA Program																							
Project: <u>State R #004</u>					Attention: <u>Devon</u>					Lab WO# <u>E 401185</u>					Job Number <u>010580007</u>				1D	2D	3D	Standard	CWA	SDWA																		
Project Manager: <u>Tom Bynum</u>					Address:					Analysis and Method																																
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip																																					
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:					DRO/DRO by 8015					GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC NM				BGDOC TX			
Phone: <u>580-748-1613</u>					Email:																																					
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>273</u>																																					
Report due by:																																										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																				
2:55	1/26	S	1	CSW30	11	X																																				
3:10				CSW31	12																																					
3:17				CSW32	13																																					
3:21				CSW33	14																																					
3:36				CSW34	15																																					
3:41				CSW35	16																																					
3:45				CSW36	17																																					
3:51				CSW37	18																																					
3:59				CSW38	19																																					
4:04				CSW39	20																																					
Additional Instructions: <u>Billing # 21136154</u>																																										
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																											
Relinquished by: (Signature) <u>Karime Adame</u>					Date <u>1/26/24</u> Time <u>6:38</u>					Received by: (Signature) <u>Michelle Gayle</u>					Date <u>1-26-24</u> Time <u>1838</u>					Lab Use Only																						
Relinquished by: (Signature) <u>Michelle Gayle</u>					Date <u>1-26-24</u> Time <u>1915</u>					Received by: (Signature) <u>Andrew Keso</u>					Date <u>1-26-24</u> Time <u>1715</u>					Received on ice: <u>Y</u> N																						
Relinquished by: (Signature) <u>Andrew Keso</u>					Date <u>1-26-24</u> Time <u>2300</u>					Received by: (Signature) <u>Andrew Keso</u>					Date <u>1/27/24</u> Time <u>830</u>					T1 _____ T2 _____ T3 _____																						
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

Chain of Custody

[illegible]

Billing # 21136154

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.

Lab Use Only

Received on ice: ☒ Y ☐ N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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: 1/30/2024 11:26:02AM

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:	01/27/24 08:30	Work Order ID:	E401185
Phone:	(575) 631-6977	Date Logged In:	01/26/24 16:37	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	02/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

- | | |
|---|-----|
| 1. Does the sample ID match the COC? | No |
| 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

Project: State R #004, has been separated into multiple reports due to high sample volume. WO # are as follows: E401179/ E401180/ E401181/ E401182/ E401183/ E401184/ E401185. Sample jars were not labeled with C in the sample ID as indicated on the COC.

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

Date



envirotech Inc.

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Oil Conservation Division
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QUESTIONS

Action 471599

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471599
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nLWH0419454158
Incident Name	NLWH0419454158 STATE R #004 @ 30-025-36544
Incident Type	Complaint
Incident Status	Remediation Plan Received
Incident Well	[30-025-36544] STATE R #004

Location of Release Source*Please answer all the questions in this group.*

Site Name	STATE R #004
Date Release Discovered	07/12/2004
Surface Owner	State

Incident Details*Please answer all the questions in this group.*

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

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Gas Well Produced Water Released: 85 BBL Recovered: 0 BBL Lost: 85 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Submitted spill report from 2004 not found in NMOCD well files. Volume calculation based on best estimate from description available. - Chloride concentration of released brine unknown, erring on side of exceeding 10,000 mg/kg

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QUESTIONS, Page 2

Action 471599

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
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	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.ralej@dmv.com Date: 06/06/2025
--	--

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QUESTIONS, Page 3

Action 471599

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471599
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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	
<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>	
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)	1660
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	655
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	01/22/2024
On what date will (or did) the final sampling or liner inspection occur	01/25/2024
On what date will (or was) the remediation complete(d)	01/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	17371
What is the estimated volume (in cubic yards) that will be reclaimed	2578
What is the estimated surface area (in square feet) that will be remediated	17371
What is the estimated volume (in cubic yards) that will be remediated	2578
<i>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.</i>	
<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>	

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QUESTIONS, Page 4

Action 471599

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
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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	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 06/06/2025
<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>	

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QUESTIONS, Page 5

Action 471599

QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 471599

QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	306595
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/25/2024
What was the (estimated) number of samples that were to be gathered	101
What was the sampling surface area in square feet	20112

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	----

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CONDITIONS

Action 471599

CONDITIONS

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	Action Number: 471599
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The Remediation plan is approved for app ID: 471599.	6/11/2025