

Incident ID	nAB1915740015
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Dale Woodall Title: EHS Professional
Signature: *Dale Woodall* Date: 3/30/2023
email: dale.woodall@dvni.com Telephone: 405-318-4697

OCD Only

Received by: Jocelyn Harimon Date: 03/30/2023

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Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: EHS Professional
Signature: Dale Woodall Date: 3/30/2023
email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: Jocelyn Harimon Date: 03/30/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



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

January 4, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Rio Blanco 4 Federal Com #003
API No. 30-025-36425
GPS: Latitude 32.3309593 Longitude -103.4718094
UL -- J, 4, T23S, R34E
Lea County, NM
NMOCD Ref. No. NAB1915740015

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a produced water and Crude oil release that occurred at the Rio Blanco 4 Federal Com #003 (Rio Blanco). The initial C-141 was submitted on May 2, 2019 (Appendix C). This incident was assigned Incident ID NAB1915740015 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Rio Blanco is located approximately twenty (20) miles southwest of Eunice, NM. This spill site is in Unit J, Section 4, Township 23S, Range 34E, Latitude 32.3309593 Longitude -103.4718094, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of 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 Pyote and Maljamar fine sands, 0 to 3 percent slopes 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 Rio Blanco (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 285 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 135 feet BGS. The closest waterway is a Salt Playa located approximately 3.30 miles to the northwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (Lack of GW data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAB1915740015: On April 30, 2019, a buried poly line ruptured causing fluid release onto pasture. The released fluids were calculated to be approximately 10 barrels (bbls) of produced water and 6 barrels (bbls) of crude oil. Vacuum truck were able to recover approximately 2 bbls of Crude oil.

Remediation Activities, Site Assessment, and Soil Sampling Results

On September 22, 2022, the Devon Construction Department mobilized personnel and equipment to begin immediate remediation activities. They began excavating the areas to a depth of 2', 4', 5' BGS. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On October 6, 2022, Pima mobilized personnel to the site to begin collecting soil samples from the excavated areas. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

10-6-22 Soil Sample Results								
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -RIO BLANCO 4 FED COM 3								
Sample Date: 10/6/22		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
	4'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	30.3	ND	30.3	590
S-3	1'	ND	ND	ND	648	270	918	661
	4'	ND	ND	ND	65.6	ND	65.6	494
S-4	1'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	21.7
SW 1	6"	ND	ND	ND	ND	ND	0	38.1
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
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On October 15, 2022, after sending a 48-hour notification (Appendix C), Pima began collecting confirmation samples of the affected areas. The laboratory results of this sampling event can be found in the data table on pages 4-11 of this report. A Confirmation Sample Map can be found in Figure 5.

Complete laboratory reports can be found in Appendix E.

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.

Closure Request

After careful review, Pima requests that this incident, NAB1915740015 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Attachments

Figures:

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

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48 Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -RIO BLANCO 4 FED COM 3								
Sample Date: 10/15/22		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
CS 1	4'	ND	ND	ND	ND	ND	0	ND
CS 2	4'	ND	ND	ND	ND	ND	0	ND
CS 3	4'	ND	ND	ND	ND	ND	0	ND
CS 4	4'	ND	ND	ND	ND	ND	0	ND
CS 5	4'	ND	ND	ND	ND	ND	0	ND
CS 6	4'	ND	ND	ND	ND	ND	0	ND
CS 7	4'	ND	ND	ND	ND	ND	0	ND
CS 8	4'	ND	ND	ND	ND	ND	0	ND
CS 9	4'	ND	ND	ND	ND	ND	0	ND
CS 10	4'	ND	ND	ND	ND	ND	0	ND
CS 11	4'	ND	ND	ND	ND	ND	0	ND
CS 12	4'	ND	ND	ND	ND	ND	0	ND
CS 13	4'	ND	ND	ND	ND	ND	0	ND
CS 14	4'	ND	ND	ND	ND	ND	0	ND
CS 15	4'	ND	ND	ND	ND	ND	0	ND
CS 16	4'	ND	ND	ND	ND	ND	0	26.9
CS 17	4'	ND	ND	ND	ND	ND	0	ND
CS 18	4'	ND	ND	ND	ND	ND	0	ND
CS 19	4'	ND	ND	ND	ND	ND	0	24.3
CS 20	4'	ND	ND	ND	ND	ND	0	ND
CS 21	4'	ND	ND	ND	ND	ND	0	ND
CS 22	4'	ND	ND	ND	ND	ND	0	ND
CS 23	4'	ND	ND	ND	ND	ND	0	ND
CS 24	4'	ND	ND	ND	ND	ND	0	ND
CS 25	4'	ND	ND	ND	ND	ND	0	ND
CS 26	4'	ND	ND	ND	ND	ND	0	ND
CS 27	4'	ND	ND	ND	ND	ND	0	ND
CS 28	4'	ND	ND	ND	ND	ND	0	ND
CS 29	4'	ND	ND	ND	ND	ND	0	ND
CS 30	4'	ND	ND	ND	ND	ND	0	ND
CS 31	4'	ND	ND	ND	ND	ND	0	ND
CS 32	4'	ND	ND	ND	ND	ND	0	ND
CS 33	4'	ND	ND	ND	ND	ND	0	ND
CS 34	4'	ND	ND	ND	ND	ND	0	ND
CS 35	4'	ND	ND	ND	ND	ND	0	ND
CS 36	4'	ND	ND	ND	ND	ND	0	ND
CS 37	4'	ND	ND	ND	ND	ND	0	ND
CS 38	4'	ND	ND	ND	ND	ND	0	ND
CS 39	4'	ND	ND	ND	ND	ND	0	ND
CS 40	5'	ND	ND	ND	ND	ND	0	ND
CS 41	5'	ND	ND	ND	ND	ND	0	ND
CS 42	5'	ND	ND	ND	ND	ND	0	ND

CS 43	5'	ND	ND	ND	ND	ND	0	ND
CS 44	5'	ND	ND	ND	ND	ND	0	ND
CS 45	5'	ND	ND	ND	ND	ND	0	ND
CS 46	5'	ND	ND	ND	ND	ND	0	ND
CS 47	5'	ND	ND	ND	ND	ND	0	ND
CS 48	5'	ND	ND	ND	ND	ND	0	ND
CS 49	5'	ND	ND	ND	ND	ND	0	ND
CS 50	5'	ND	ND	ND	ND	ND	0	ND
CS 51	5'	ND	ND	ND	ND	ND	0	ND
CS 52	5'	ND	ND	ND	ND	ND	0	ND
CS 53	5'	ND	ND	ND	ND	ND	0	ND
CS 54	5'	ND	ND	ND	ND	ND	0	ND
CS 55	5'	ND	ND	ND	ND	ND	0	ND
CS 56	5'	ND	ND	ND	ND	ND	0	ND
CS 57	4'	ND	ND	ND	ND	ND	0	ND
CS 58	4'	ND	ND	ND	ND	ND	0	ND
CS 59	4'	ND	ND	ND	ND	ND	0	ND
CS 60	4'	ND	ND	ND	ND	ND	0	ND
CS 61	4'	ND	ND	ND	ND	ND	0	ND
CS 62	4'	ND	ND	ND	ND	ND	0	ND
CS 63	4'	ND	ND	ND	ND	ND	0	ND
CS 64	4'	ND	ND	ND	ND	ND	0	ND
CS 65	4'	ND	ND	ND	ND	ND	0	ND
CS 66	4'	ND	ND	ND	ND	ND	0	ND
CS 67	4'	ND	ND	ND	ND	ND	0	ND
CS 68	4'	ND	ND	ND	ND	ND	0	ND
CS 69	4'	ND	ND	ND	ND	ND	0	ND
CS 70	4'	ND	ND	ND	ND	ND	0	46.7
CS 71	4'	ND	ND	ND	ND	ND	0	34.6
CS 72	4'	ND	ND	ND	ND	ND	0	29.7
CS 73	4'	ND	ND	ND	ND	ND	0	22.3
CS 74	4'	ND	ND	ND	ND	ND	0	ND
CS 75	4'	ND	ND	ND	ND	ND	0	20.3
CS 76	4'	ND	ND	ND	ND	ND	0	20.5
CS 77	4'	ND	ND	ND	ND	ND	0	28.1
CS 78	4'	ND	ND	ND	ND	ND	0	30.7
CS 79	4'	ND	ND	ND	ND	ND	0	24.5
CS 80	4'	ND	ND	ND	ND	ND	0	28.6
CS 81	4'	ND	ND	ND	ND	ND	0	ND
CS 82	4'	ND	ND	ND	ND	ND	0	32.9
CS 83	4'	ND	ND	ND	ND	ND	0	23.7
CS 84	4'	ND	ND	ND	ND	ND	0	23.4
CS 85	4'	ND	ND	ND	ND	ND	0	ND
CS 86	4'	ND	ND	ND	ND	ND	0	35.8
CS 87	4'	ND	ND	ND	ND	ND	0	42.7
CS 88	4'	ND	ND	ND	ND	ND	0	22.3
CS 89	4'	ND	ND	ND	ND	ND	0	ND

CS 90	4'	ND	ND	ND	ND	ND	0	48.4
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CS 92	4'	ND	ND	ND	ND	ND	0	23.2
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CS 99	4'	ND	ND	ND	ND	ND	0	22.3
CS 100	4'	ND	ND	ND	ND	ND	0	22.1
CS 101	4'	ND	ND	ND	ND	ND	0	ND
CS 102	4'	ND	ND	ND	ND	ND	0	22.8
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CS 104	4'	ND	ND	ND	ND	ND	0	ND
CS 105	4'	ND	ND	ND	ND	ND	0	23.4
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CS 107	4'	ND	ND	ND	ND	ND	0	20.3
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CS 116	4'	ND	ND	ND	ND	ND	0	ND
CS 117	4'	ND	ND	ND	ND	ND	0	21.8
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CS 165	4'	ND	ND	ND	ND	ND	0	ND
CS 166	4'	ND	ND	ND	ND	ND	0	ND
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CS 188	4'	ND	ND	ND	ND	ND	0	ND
CS 189	4'	ND	ND	ND	ND	ND	0	ND
CS 190	4'	ND	ND	ND	ND	ND	0	ND
CS 191	4'	ND	ND	ND	ND	ND	0	ND
CS 192	4'	ND	ND	ND	ND	ND	0	ND
CS 193	4'	ND	ND	ND	ND	ND	0	ND
CS 194	4'	ND	ND	ND	ND	ND	0	ND
CS 195	4'	ND	ND	ND	ND	ND	0	ND
CS 196	4'	ND	ND	ND	ND	ND	0	ND
CS 197	4'	ND	ND	ND	ND	ND	0	ND
CS 198	4'	ND	ND	ND	ND	ND	0	ND
CS 199	4'	ND	ND	ND	ND	ND	0	ND
CS 200	4'	ND	ND	ND	ND	ND	0	ND
CS 201	4'	ND	ND	ND	ND	ND	0	ND
CS 202	4'	ND	ND	ND	ND	ND	0	ND
CS 203	4'	ND	ND	ND	ND	ND	0	ND
CS 204	4'	ND	ND	ND	ND	ND	0	ND
CS 205	4'	ND	ND	ND	ND	ND	0	ND
CS 206	4'	ND	ND	ND	ND	ND	0	ND
CS 207	4'	ND	ND	ND	ND	ND	0	ND
CS 208	4'	ND	ND	ND	ND	ND	0	ND
CS 209	2'	ND	ND	ND	ND	ND	0	ND
CS 210	2'	ND	ND	ND	ND	ND	0	ND
CS 211	2'	ND	ND	ND	ND	ND	0	ND
CS 212	2'	ND	ND	ND	ND	ND	0	ND
CS 213	2'	ND	ND	ND	ND	ND	0	ND
CS 214	2'	ND	ND	ND	ND	ND	0	ND
CS 215	2'	ND	ND	ND	ND	ND	0	ND
CS 216	2'	ND	ND	ND	ND	ND	0	ND
CS 217	2'	ND	ND	ND	ND	ND	0	ND
CS 218	2'	ND	ND	ND	ND	ND	0	ND
CS 219	2'	ND	ND	ND	ND	ND	0	ND
CS 220	2'	ND	ND	ND	ND	ND	0	ND
CS 221	2'	ND	ND	ND	ND	ND	0	ND
CS 222	2'	ND	ND	ND	ND	ND	0	ND
CS 223	2'	ND	ND	ND	ND	ND	0	ND
CS 224	2'	ND	ND	ND	ND	ND	0	ND
CS 225	2'	ND	ND	ND	ND	ND	0	ND
CS 226	2'	ND	ND	ND	ND	ND	0	ND
CS 227	2'	ND	ND	ND	ND	ND	0	ND
CS 228	2'	ND	ND	ND	ND	ND	0	ND
CS 229	2'	ND	ND	ND	ND	ND	0	ND
CS 230	2'	ND	ND	ND	ND	ND	0	ND

CS 231	2'	ND	ND	ND	ND	ND	0	ND
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CS 237	2'	ND	ND	ND	ND	ND	0	ND
CS 238	2'	ND	ND	ND	ND	ND	0	ND
CS 239	2'	ND	ND	ND	ND	ND	0	ND
CS 240	2'	ND	ND	ND	ND	ND	0	ND
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CS 243	2'	ND	ND	ND	ND	ND	0	ND
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BG3	1'	ND	ND	ND	ND	ND	0	ND
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BG5	1'	ND	ND	ND	ND	ND	0	ND
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CSW 80	4'	ND	ND	ND	ND	ND	0	ND
CSW 81	4'	ND	ND	ND	ND	ND	0	ND



Pima Environmental Services

Figures:

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

Rio Blanco 4 Fed Com 3

Devon Energy
API #30-025-36425
Lea County, NM
Location Map

Legend

● Rio Blanco 4 Fed Com 3

Rio Blanco 4 Fed Com 3

Google Earth



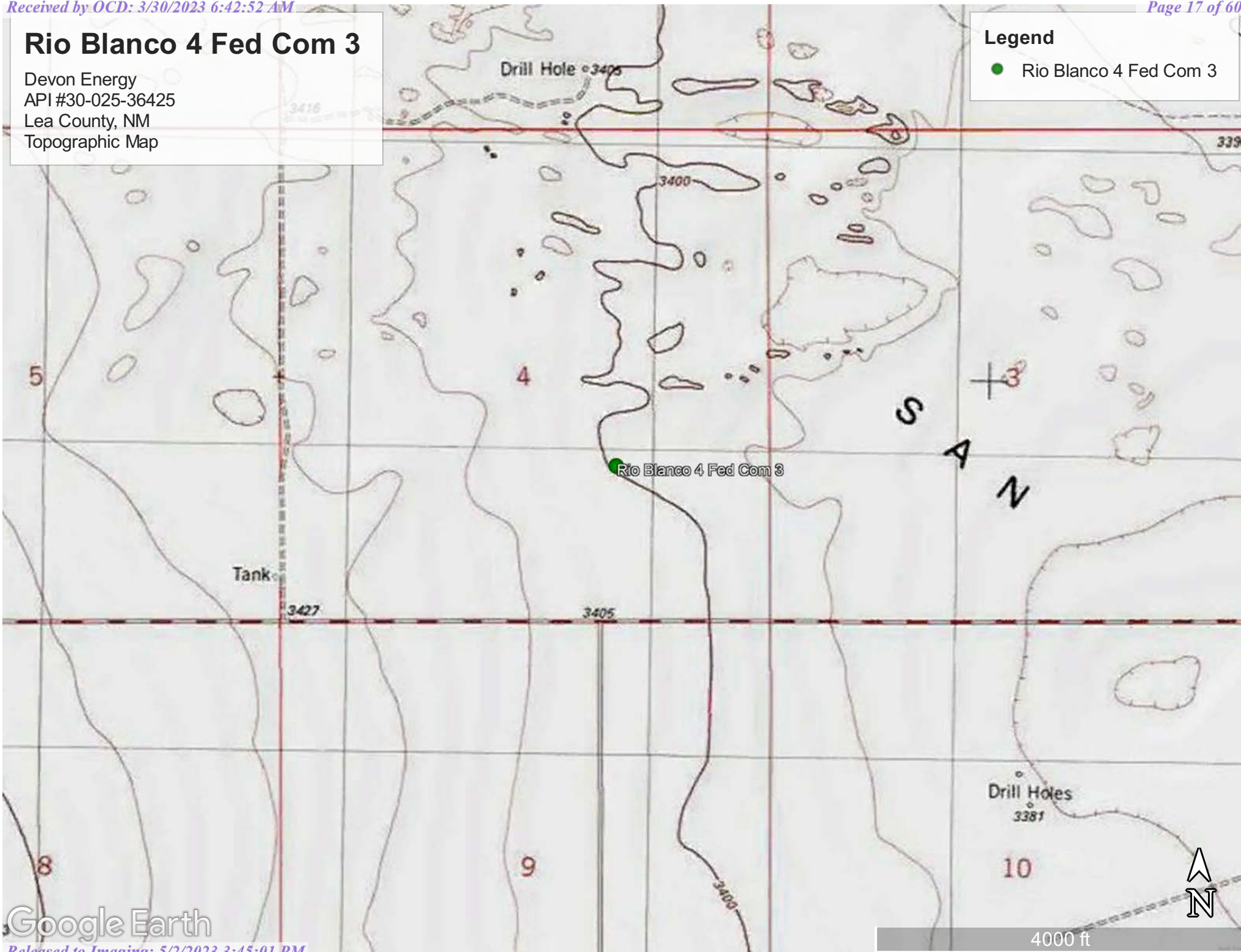
20 mi

Rio Blanco 4 Fed Com 3

Devon Energy
API #30-025-36425
Lea County, NM
Topographic Map

Legend

● Rio Blanco 4 Fed Com 3



Rio Blanco 4 Fed Com 3

Devon Energy
API #30-025-36425
Lea County, NM
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst

Rio Blanco 4 Fed Com 3



Rio Blanco 4 Federal 3

Devon Energy
API#30-025-36425
Lea County, NM
Site Map
NAB1915740015

Legend

-  Rio Blanco 4 Federal Com 3
-  Spill Area

Rio Blanco 4 Federal Com 3



Google Earth



200 ft

Rio Blanco 4 Fed Com 3

Devon Energy
API#30-025-36425
Lea County, NM
Confirmation Map

Legend

- Backgrounds/Sidewalls
- Excavation
- Confirmation Samples
- 📌 Rio Blanco 4 Federal Com 3



Google Earth



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01622 POD1		CP	LE	1	3	3	04	23S	34E	642830	3577872	1040	575	285	290
CP 01502 POD2		CP	LE	4	3	3	05	23S	34E	642074	3577676	1820	680	300	380
CP 01760 POD1		CP	LE	3	1	2	16	23S	34E	643627	3575897	2258	767	290	477
CP 01730 POD1		CP	LE	2	2	1	16	23S	34E	643549	3575824	2338	594	200	394
CP 01706 POD1		CP	LE	4	4	2	32	22S	34E	642603	3580185	2381	340	282	58
CP 01705 POD1		CP	LE	4	4	2	32	22S	34E	642588	3580179	2383	700	305	395
CP 01829 POD1		CP	LE	4	4	2	32	22S	34E	642559	3580172	2393	1410	1150	260
CP 01502 POD1		CP	LE	4	3	3	05	23S	34E	641316	3577635	2568	648	200	448
CP 01075 POD1		CP	LE	1	1	1	08	23S	34E	641278	3577525	2629	430	20	410
CP 01740 POD1		CP	LE	1	1	1	34	22S	34E	644402	3580765	2680	600	560	40
CP 00872 POD1		CP	LE	1	1	1	08	23S	34E	641225	3577504*	2685	494	305	189
CP 01826 POD1		CP	LE	1	1	1	34	22S	34E	644379	3580778	2688	698	180	518
CP 01803 POD1		CP	LE	1	1	1	34	22S	34E	644357	3580786	2691	240	180	60
CP 00556 POD1		CP	LE	4	4	3	08	23S	34E	641762	3576206	2837	497	255	242
E 07616 POD1		E	TO							646466	3576970	2883	500	300	200

Average Depth to Water: 320 feet

Minimum Depth: 20 feet

Maximum Depth: 1150 feet

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 643833

Northing (Y): 3578146.4

Radius: 3000

*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.



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- See the [Water Data for the Nation Blog](#) for the latest news and updates.

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 321917103303001

Minimum number of levels = 1

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

USGS 321917103303001 23S.34E.06.43314

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°19'17", Longitude 103°30'30" NAD27

Land-surface elevation 3,480 feet above NAVD88

The depth of the well is 640 feet below land surface.

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

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

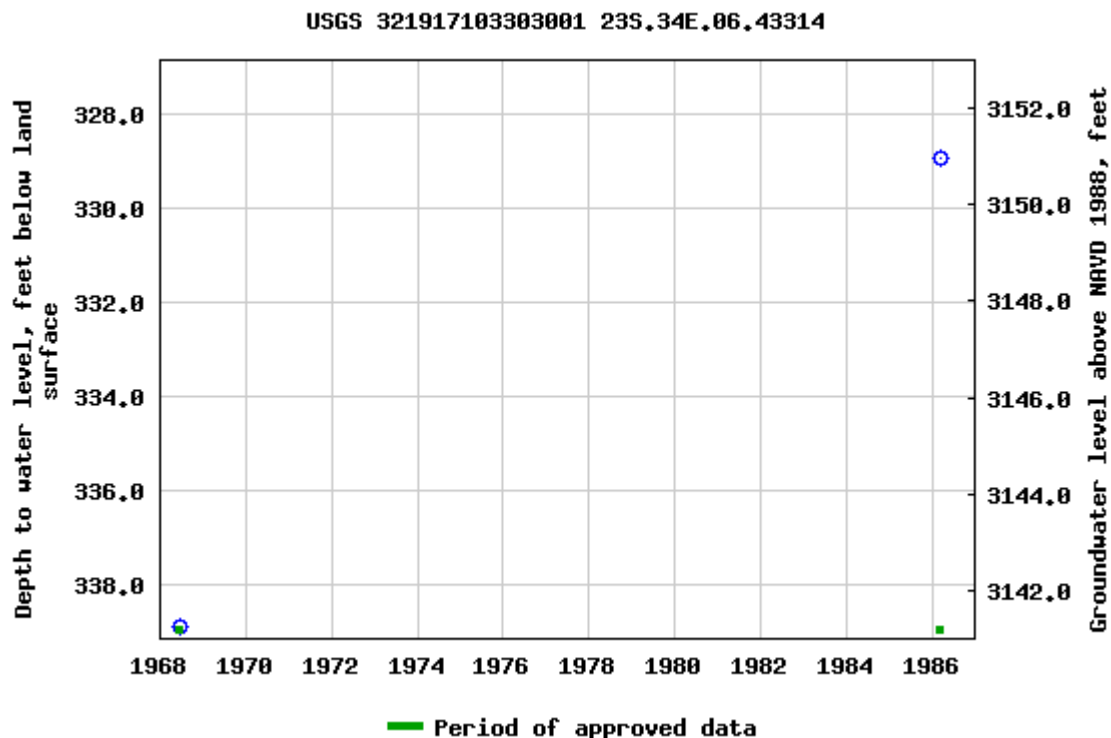
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

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[Data Tips](#)

[Explanation of terms](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2022-12-31 15:22:05 EST

0.57 0.49 nadww01

Rio Blanco 4 Fed Com 3

Devon Energy
API #30-025-36425
Lea County, NM
Surface Water Map

Legend

-  3.56 Miles
-  Salt Playa

Rio Blanco 4 Fed Com 3

Salt Playa

Google Earth



2 mi



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 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

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

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

Description of Pyote

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

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

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

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

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

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
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 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R042XC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

National Flood Hazard Layer FIRMette



103°28'37"W 32°20'7"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
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

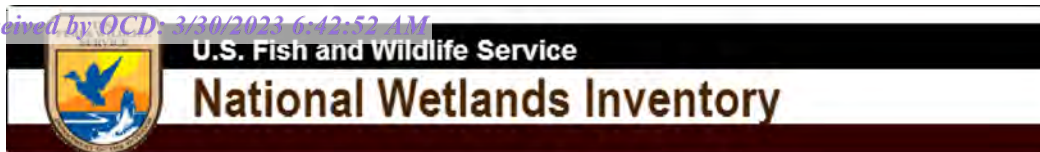


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

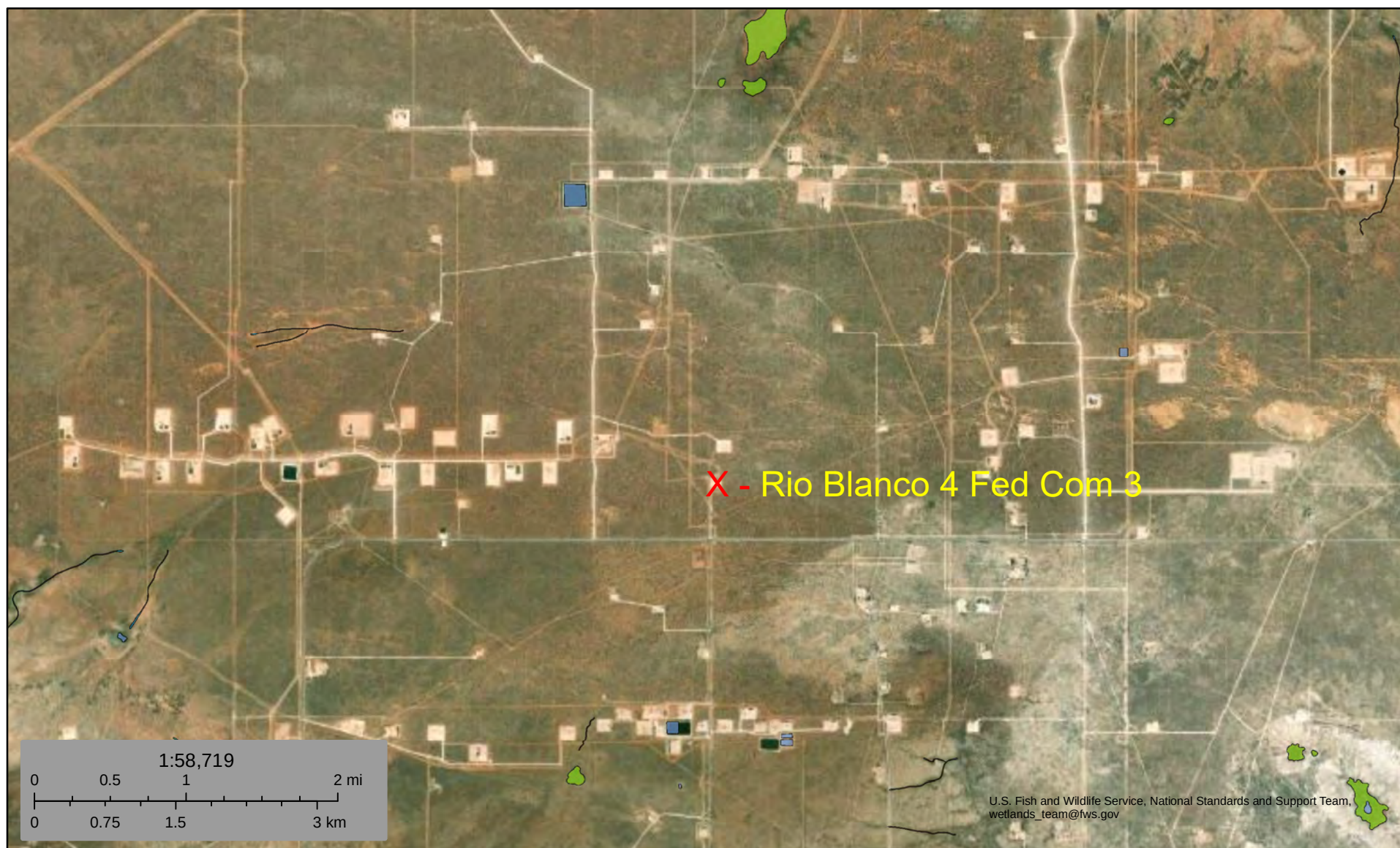
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/23/2022 at 3:20 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Wetlands Map



December 31, 2022

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.



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAB1915740015
District RP	1RP-5531
Facility ID	
Application ID	pAB1915739781

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD) NAB1915740015
Contact mailing address 6488 Seven Rivers HWY	

Location of Release Source

Latitude 32.3052 Longitude -103.5673
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Rio Blanco 4 Fed Com #003	Site Type Salt water disposal
Date Release Discovered 4/30/2019	API# (if applicable) 30-025-36425

Unit Letter	Section	Township	Range	County
J	04	23S	34E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls) 6	Volume Recovered (bbls) 2
☒ Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release A buried poly line ruptured causing fluid release. Spill area 40'x25'x1/2"

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

Released to Imaging: 5/2/2023 3:45:01 PM

Incident ID	nAB1915740015
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAB1915740015
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Dale Woodall Title: EHS Professional
Signature: *Dale Woodall* Date: 3/30/2023
email: dale.woodall@dvN.com Telephone: 405-318-4697

OCD Only

Received by: _____ Date: _____

Incident ID	nAB1915740015
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: EHS Professional
Signature: Dale Woodall Date: 3/30/2023
email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 05/02/2023
Printed Name: Jennifer Nobui Title: Environmental Specialist A



Gio PimaOil <gio@pimaoil.com>

Confirmation of Samples at Rio Blanco 4 fed com #3

1 message

Gio PimaOil <gio@pimaoil.com>

Thu, Oct 13, 2022 at 10:14 AM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>, Sebastian Pima Oil <sebastian@pimaoil.com>

Good Morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Rio Blanco 4 fed com #3 for incidents NAB1915740015, nKI1626534300, nkj1531346514, PTO1415448410 & NAPP2226449010. Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 a.m. on Saturday October 15, 2022. If you have any questions or concerns, please let me know. Thank you.

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.

From: tom@pimaoil.com
To: ocdonline@state.nm.us
Cc: "Gio PimaOil"
Subject: RE: Confirmation of Samples at Rio Blanco 4 fed com #3
Date: Thursday, January 5, 2023 8:16:13 AM

Good morning,

Our apologies but we need to make a correction on this notification.

The incident ID nKL1626534300 from below refers to an incident that has already been closed. The incident ID we needed to include was **nPAC0612150881**. Again, we apologize for the oversight and appreciate your patience and understanding in this matter.

THANK YOU,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.

5614 N Lovington Hwy.

Hobbs, NM, 88240

From: Gio PimaOil <gio@pimaoil.com>
Sent: Thursday, October 13, 2022 10:15 AM
To: ocdonline@state.nm.us; Tom Pima Oil <tom@pimaoil.com>; Sebastian Pima Oil <sebastian@pimaoil.com>
Subject: Confirmation of Samples at Rio Blanco 4 fed com #3

Good Morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Rio Blanco 4 fed com #3 for incidents nAB1915740015, **nKL1626534300**, nKJ1531346514, nTO1415448410 & nAPP2226449010. Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 a.m. on Saturday October 15, 2022. If you have any questions or concerns, please let me know. Thank you.

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

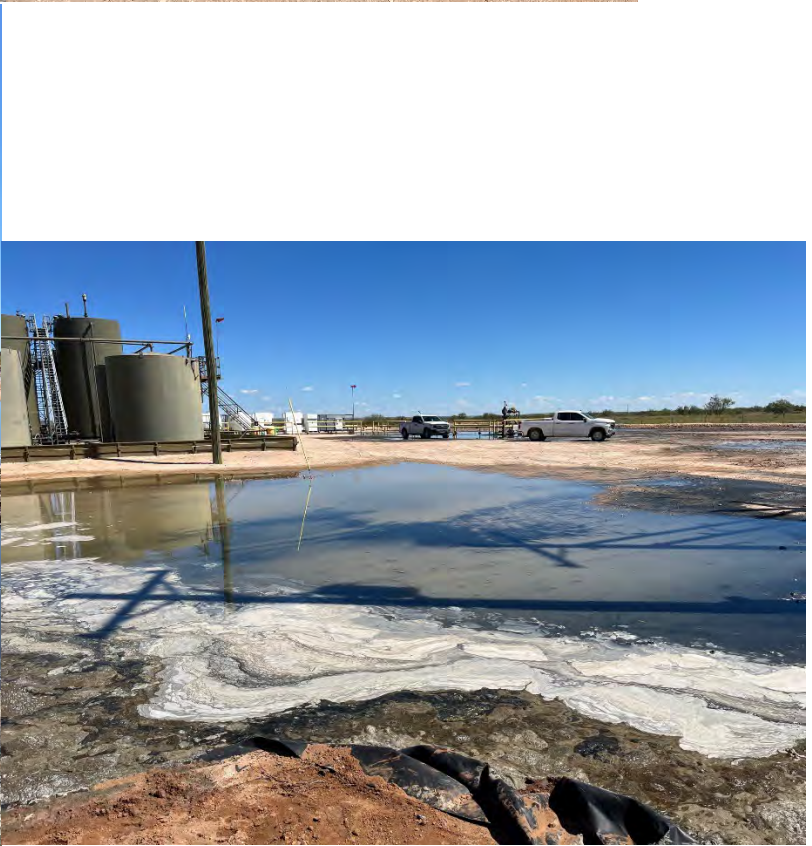
Photographic Documentation



SITE PHOTOGRAPHS
DEVON ENERGY
RIO BLANCO 4 FED COM 3

INITIAL INCIDENT



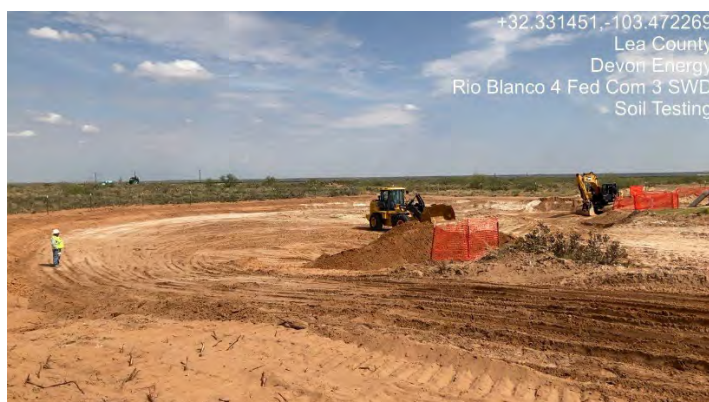




Two side-by-side photographs of an oil field. The left photo shows a yellow wellhead structure with a sign that reads "devon SWD RIO BLANCO 4 FED COM 3" and "41° NE". The right photo shows a wide view of a dirt road with yellow railings and a sign that reads "devon SWD RIO BLANCO 4 FED COM 3" and "53° NE". Both photos include a compass rose in the bottom left corner.



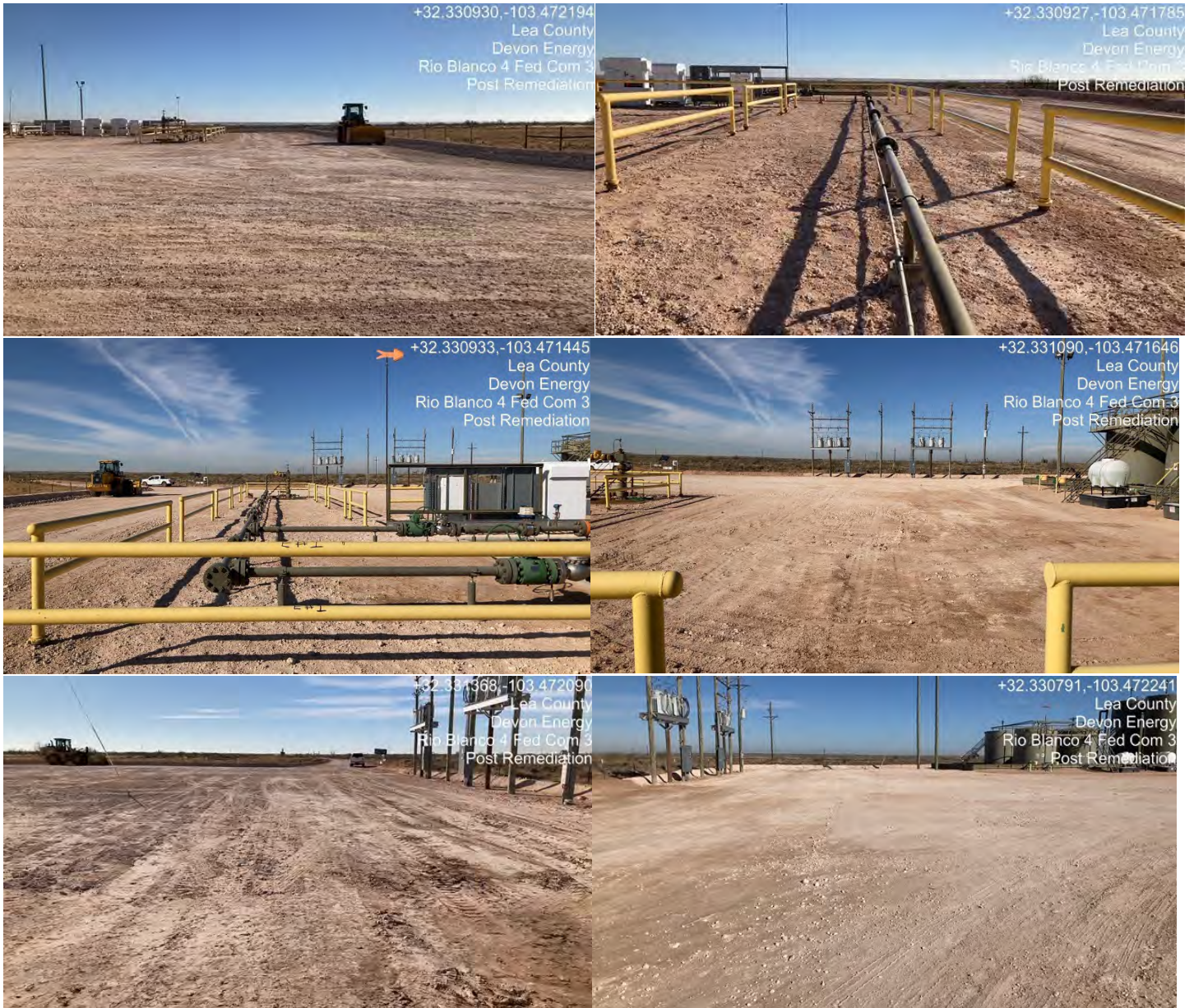
EXCAVATION







POST EXCAVATION/REMEDATION







Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rio Blanco 4 Fed Com 3

Work Order: E210084

Job Number: 01058-0007

Received: 10/19/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/21/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/21/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210084
Date Received: 10/19/2022 9:55:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/19/2022 9:55:00AM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/22 16:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1	E210084-01A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 2	E210084-02A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 3	E210084-03A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 4	E210084-04A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 5	E210084-05A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 6	E210084-06A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 7	E210084-07A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 8	E210084-08A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 9	E210084-09A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 10	E210084-10A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 11	E210084-11A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 12	E210084-12A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 13	E210084-13A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 14	E210084-14A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 15	E210084-15A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 16	E210084-16A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 17	E210084-17A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 18	E210084-18A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 19	E210084-19A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 20	E210084-20A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CS 21	E210084-21A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 1	E210084-22A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 2	E210084-23A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 3	E210084-24A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 4	E210084-25A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 5	E210084-26A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 6	E210084-27A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 7	E210084-28A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 8	E210084-29A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 9	E210084-30A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 10	E210084-31A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 11	E210084-32A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 12	E210084-33A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 13	E210084-34A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.
CSW 14	E210084-35A	Soil	10/15/22	10/19/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS-1

E210084-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	82.9 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 2

E210084-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	80.5 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 3

E210084-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	81.5 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 4

E210084-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/19/22	10/19/22	
Surrogate: Toluene-d8		102 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/19/22	10/19/22	
Surrogate: Toluene-d8		102 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane		75.6 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 5

E210084-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	100 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	100 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	85.2 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 6

E210084-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	99.7 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	99.7 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	84.2 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 7

E210084-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	99.1 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	99.1 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	83.5 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 8

E210084-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	100 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	100 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	78.8 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 9

E210084-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	100 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	100 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	110 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 10

E210084-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	94.2 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	118 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	97.9 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	94.2 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	118 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	97.9 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	111 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 11

E210084-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	98.0 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	98.0 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	92.7 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 12

E210084-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	93.8 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	99.2 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	93.8 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	99.2 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	108 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 13

E210084-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	101 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	101 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	105 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 14

E210084-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	98.2 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	95.3 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	98.2 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	111 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 15

E210084-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	100 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	100 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	113 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 16

E210084-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	117 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	26.9	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 17

E210084-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	101 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	101 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	108 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 18

E210084-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	103 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 19

E210084-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	99.7 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	99.7 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	105 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	24.3	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 20

E210084-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	98.7 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243069
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	98.7 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243071
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	108 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243073
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CS 21

E210084-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	107 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 1

E210084-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	109 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 2

E210084-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	103 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	23.8	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 3

E210084-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	106 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	20.4	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 4

E210084-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	108 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	27.9	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 5

E210084-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	110 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 6

E210084-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	10/19/22	10/19/22	
Surrogate: Toluene-d8		104 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130	10/19/22	10/19/22	
Surrogate: Toluene-d8		104 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane		107 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	20.0	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 7

E210084-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	108 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	25.5	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 8

E210084-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	100 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 9

E210084-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	117 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 10

E210084-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	107 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	21.6	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 11

E210084-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/19/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		10/19/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/21/22	
Surrogate: n-Nonane	97.9 %	50-200		10/19/22	10/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	35.9	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 12

E210084-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	103 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	103 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/21/22	
Surrogate: n-Nonane	107 %	50-200		10/19/22	10/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 13

E210084-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	102 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/21/22	
Surrogate: n-Nonane	102 %	50-200		10/19/22	10/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/21/2022 4:25:15PM

CSW 14

E210084-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243070
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/19/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/19/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243072
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/21/22	
Surrogate: n-Nonane	106 %	50-200		10/19/22	10/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243074
Chloride	21.7	20.0	1	10/19/22	10/20/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/2022 4:25:15PM

Volatile Organic Compounds by EPA 8260B

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 (2243069-BLK1)

Prepared: 10/19/22 Analyzed: 10/20/22

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	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500		110	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

LCS (2243069-BS1)

Prepared: 10/19/22 Analyzed: 10/20/22

Benzene	2.12	0.0250	2.50		85.0	70-130			
Ethylbenzene	2.07	0.0250	2.50		82.9	70-130			
Toluene	2.09	0.0250	2.50		83.6	70-130			
o-Xylene	2.18	0.0250	2.50		87.1	70-130			
p,m-Xylene	4.33	0.0500	5.00		86.6	70-130			
Total Xylenes	6.51	0.0250	7.50		86.8	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.562		0.500		112	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

LCS Dup (2243069-BSD1)

Prepared: 10/19/22 Analyzed: 10/20/22

Benzene	2.27	0.0250	2.50		90.7	70-130	6.49	23	
Ethylbenzene	2.25	0.0250	2.50		89.8	70-130	8.06	27	
Toluene	2.28	0.0250	2.50		91.2	70-130	8.76	24	
o-Xylene	2.35	0.0250	2.50		93.9	70-130	7.56	27	
p,m-Xylene	4.67	0.0500	5.00		93.3	70-130	7.44	27	
Total Xylenes	7.01	0.0250	7.50		93.5	70-130	7.48	27	
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.572		0.500		114	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/2022 4:25:15PM

Volatile Organic Compounds by EPA 8260B

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 (2243070-BLK1)

Prepared: 10/19/22 Analyzed: 10/19/22

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	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

LCS (2243070-BS1)

Prepared: 10/19/22 Analyzed: 10/19/22

Benzene	2.35	0.0250	2.50		93.9	70-130			
Ethylbenzene	2.38	0.0250	2.50		95.3	70-130			
Toluene	2.33	0.0250	2.50		93.2	70-130			
o-Xylene	2.22	0.0250	2.50		89.0	70-130			
p,m-Xylene	4.47	0.0500	5.00		89.4	70-130			
Total Xylenes	6.69	0.0250	7.50		89.2	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS Dup (2243070-BSD1)

Prepared: 10/19/22 Analyzed: 10/19/22

Benzene	2.32	0.0250	2.50		92.9	70-130	1.07	23	
Ethylbenzene	2.35	0.0250	2.50		94.0	70-130	1.40	27	
Toluene	2.30	0.0250	2.50		91.8	70-130	1.43	24	
o-Xylene	2.21	0.0250	2.50		88.3	70-130	0.722	27	
p,m-Xylene	4.42	0.0500	5.00		88.3	70-130	1.20	27	
Total Xylenes	6.62	0.0250	7.50		88.3	70-130	1.04	27	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/2022 4:25:15PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243069-BLK1)

Prepared: 10/19/22 Analyzed: 10/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500		110	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

LCS (2243069-BS2)

Prepared: 10/19/22 Analyzed: 10/20/22

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.9	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.537		0.500		107	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

LCS Dup (2243069-BSD2)

Prepared: 10/19/22 Analyzed: 10/20/22

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130	5.31	20	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.545		0.500		109	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/2022 4:25:15PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243070-BLK1)

Prepared: 10/19/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

LCS (2243070-BS2)

Prepared: 10/19/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS Dup (2243070-BSD2)

Prepared: 10/19/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130	2.89	20	
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/2022 4:25:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243071-BLK1)

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.4		50.0		86.8	50-200			

LCS (2243071-BS1)

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	211	25.0	250		84.6	38-132			
Surrogate: n-Nonane	44.8		50.0		89.5	50-200			

Matrix Spike (2243071-MS1)

Source: E210084-03

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.4	38-132			
Surrogate: n-Nonane	39.2		50.0		78.4	50-200			

Matrix Spike Dup (2243071-MSD1)

Source: E210084-03

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	210	25.0	250	ND	84.0	38-132	0.453	20	
Surrogate: n-Nonane	41.6		50.0		83.1	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/2022 4:25:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243072-BLK1)

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.6		50.0		107	50-200			

LCS (2243072-BS1)

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	56.4		50.0		113	50-200			

Matrix Spike (2243072-MS1)

Source: E210084-23

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	52.5		50.0		105	50-200			

Matrix Spike Dup (2243072-MSD1)

Source: E210084-23

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132	0.865	20	
Surrogate: n-Nonane	54.4		50.0		109	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/2022 4:25:15PM

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 (2243073-BLK1)					Prepared: 10/19/22 Analyzed: 10/20/22				
Chloride	ND	20.0							
LCS (2243073-BS1)					Prepared: 10/19/22 Analyzed: 10/20/22				
Chloride	264	20.0	250		106	90-110			
LCS Dup (2243073-BSD1)					Prepared: 10/19/22 Analyzed: 10/20/22				
Chloride	262	20.0	250		105	90-110	0.745	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/2022 4:25:15PM

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 (2243074-BLK1)

Prepared: 10/19/22 Analyzed: 10/20/22

Chloride	ND	20.0							
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LCS (2243074-BS1)

Prepared: 10/19/22 Analyzed: 10/20/22

Chloride	268	20.0	250		107	90-110			
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LCS Dup (2243074-BSD1)

Prepared: 10/19/22 Analyzed: 10/20/22

Chloride	265	20.0	250		106	90-110	1.30	20	
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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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/21/22 16:25

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 4

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Res Blanco 4 Fed Con3</u>					Attention: <u>Devon Emery</u>		Lab WO# <u>E210084</u>		Job Number <u>610580007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:											
Phone: 580-748-1613					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>1-204</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		
8:00	10/15/22	S	1	CS-1	1							X				
8:05				CS 2	2											
8:10				CS 3	3											
8:15				CS 4	4											
8:20				CS 5	5											
8:25				CS 6	6											
8:30				CS 7	7											
8:35				CS 8	8											
8:40				CS 9	9											
8:45				CS 10	10											
Additional Instructions: <u>Bill # 210 76 894</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.																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>[Signature]</u>		10/18/22	2:40	<u>[Signature]</u>		10/18/22	3:00	Received on ice: <u>Y</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____								
<u>[Signature]</u>		10/18/22	4:15	<u>[Signature]</u>		10/19/22	9:55	AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
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 4

Client: Pima Environmental Services Project: <u>720 24110 4 Feb 2023</u> 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 Attention: <u>Dean Breyer</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-204</u>					Lab Use Only						TAT				EPA Program	
										Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA
										<u>E 210084</u>		<u>01058-0007</u>				☒					
										Analysis and Method											
												State									
												NM	CO	UT	AZ	TX					
														Remarks							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX							
8:50	10/5/22	S	1	CS 11	11								☒								
8:55				CS 12	12																
9:00				CS 13	13																
9:05				CS 14	14																
9:10				CS 15	15																
9:15				CS 16	16																
9:20				CS 17	17																
9:25				CS 18	18																
9:30				CS 19	19																
9:35				CS 20	20																
Additional Instructions: <u>Bill # 21076894</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>[Signature]</u>						Date <u>10/18/22</u> Time <u>2:42</u>						Received by: (Signature) <u>[Signature]</u>									
Relinquished by: (Signature) <u>[Signature]</u>						Date <u>10-18-22</u> Time <u>4:15</u>						Received by: (Signature) <u>[Signature]</u>									
Relinquished by: (Signature) <u>[Signature]</u>						Date <u>10-18-22</u> Time <u>9:55</u>						Received by: (Signature) <u>[Signature]</u>									
Lab Use Only Received on ice: ☒ Y ☐ N T1 _____ T2 _____ T3 _____ 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

Project Information

Chain of Custody

Page 3 of 4

Client: Pima Environmental Services Project: <u>Rio Blanco 4Arl.com 3</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. 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>Dawn Emery</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-204</u>					Lab Use Only Lab WO# <u>E210084</u> Job Number: <u>01058-0057</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard ☒ ☐ ☐ ☐				EPA Program CWA SDWA RCRA State NM CO UT AZ TX ☒ ☐ ☐ ☐ ☐	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
9:40	10/12/22	S	1	CS 21	21							☒								
9:45				CSW 1	22															
9:50				CSW 2	23															
10:00				CSW 3	24															
10:05				CSW 4	25															
10:10				CSW 5	26															
10:15				CSW 6	27															
10:20				CSW 7	28															
10:25				CSW 8	29															
10:30				CSW 9	30															
Additional Instructions: <u>Billig # 210 76 854</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: ☒ Y ☐ N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 4

Client: Pima Environmental Services Project: <u>ILSO Blaned 4 Edcom 3</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Drew Emery</u> Address: City, State, Zip Phone: Email: Pima Project #					Lab Use Only						TAT				EPA Program															
										Lab WO# <u>E210084</u>			Job Number <u>01058-0007</u>			1D	2D	3D	Standard	CWA	SDWA														
										Analysis and Method										RCRA															
																				State															
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	NM ☒ CO ☐ UT ☐ AZ ☐ TX ☐ Remarks																					
10:35	10/15/27	S	1	CSW 10	31							X																							
10:46				CSW 11	32																														
10:45				CSW 12	33																														
10:56				CSW 13	34																														
10:55				CSW 14	35																														
Additional Instructions: <u>Billing # 210 76 894</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: ☒ N																											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____																											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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

Envirotech Analytical Laboratory

Printed: 10/19/2022 11:34:06AM

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:	10/19/22 09:55	Work Order ID:	E210084
Phone:	(575) 631-6977	Date Logged In:	10/17/22 16:50	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/19/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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: Rio Blanco 4 Fed Com 3

Work Order: E210085

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/20/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210085
Date Received: 10/18/2022 1:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 1:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported: 10/20/22 16:30
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
CSW 15	E210085-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW 16	E210085-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW 17	E210085-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW 18	E210085-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW 19	E210085-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:30:19PM

CSW 15

E210085-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243038	
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243013	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243056	
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:30:19PM

CSW 16

E210085-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243013
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243056
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:30:19PM

CSW 17

E210085-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243013
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243056
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:30:19PM

CSW 18

E210085-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243013
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243056
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:30:19PM

CSW 19

E210085-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.3 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243013
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243056
Chloride	ND	20.0	1	10/18/22	10/20/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 4:30:19PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243038-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

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	8.21		8.00		103	70-130			

LCS (2243038-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.41	0.0250	5.00		108	70-130			
Toluene	5.54	0.0250	5.00		111	70-130			
o-Xylene	5.57	0.0250	5.00		111	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			

LCS Dup (2243038-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	5.04	0.0250	5.00		101	70-130	5.98	20	
Ethylbenzene	5.12	0.0250	5.00		102	70-130	5.57	20	
Toluene	5.22	0.0250	5.00		104	70-130	5.84	20	
o-Xylene	5.28	0.0250	5.00		106	70-130	5.36	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	5.42	20	
Total Xylenes	15.7	0.0250	15.0		104	70-130	5.40	20	
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 4:30:19PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2243038-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS (2243038-BS2)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			

LCS Dup (2243038-BSD2)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130	2.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 4:30:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2243013-BLK1)

Prepared: 10/17/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.5		50.0		107	50-200			

LCS (2243013-BS1)

Prepared: 10/17/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike (2243013-MS1)

Source: E210078-03

Prepared: 10/17/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	47.5		50.0		95.1	50-200			

Matrix Spike Dup (2243013-MSD1)

Source: E210078-03

Prepared: 10/17/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	0.814	20	
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 4:30:19PM

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 (2243056-BLK1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	ND	20.0							
LCS (2243056-BS1)					Prepared: 10/18/22 Analyzed: 10/20/22				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2243056-BSD1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	267	20.0	250		107	90-110	6.11	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 16:30

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Chain of Custody

Project Information

Client: Pima Environmental Services Project: <u>RIDBIANCO4Fed.COM 3</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 Energy</u> Address: _____ City, State, Zip _____ Phone: _____ Email: _____ Pima Project # <u>1-204</u>			Lab Use Only Lab WO# <u>E210085</u> Job Number <u>010880007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX			TAT 1D 2D 3D Standard CWA SDWA RCRA State NM CO UT AZ TX X 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	Remarks
9:40	10/15/22	S		CS21								X		
9:45				CSW1										
9:50				CSW2										
9:55				CSW3										
10:00				CSW4										
10:05				CSW5										
10:10				CSW6										
10:15				CSW7										
10:20				CSW8										
10:25				CSW9										
Additional Instructions: <u>Billing # 21076894</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>[Signature]</u>			Date <u>10/17/22</u>	Time <u>3:00</u>	Received by: (Signature) <u>[Signature]</u>			Date <u>10-17-22</u>	Time <u>3:00</u>	Lab Use Only Received on ice: <u>Y</u> N				
Relinquished by: (Signature) <u>[Signature]</u>			Date <u>10-17-22</u>	Time <u>4:15</u>	Received by: (Signature) <u>[Signature]</u>			Date <u>10/18/22</u>	Time <u>13:00</u>	T1 T2 T3				
Relinquished by: (Signature) _____			Date _____	Time _____	Received by: (Signature) _____			Date _____	Time _____	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 1

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: Devon Energy Address: City, State, Zip Phone: Email: Pima Project # 1-204					Lab Use Only						TAT				EPA Program			
										Lab WO# E210085		Job Number 01058-0007				1D ☒	2D ☐	3D ☐	Standard ☐	CWA ☐	SDWA ☐		
										Analysis and Method										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	BGDOC NM	BGDOC TX	Remarks									
10:30	10/15/22	S		CSW10	5							X											
10:35				CSW11																			
10:40				CSW12																			
10:45				CSW13																			
10:50				CSW14																			
10:55				CSW15	1																		
11:00				CSW16	2																		
11:05				CSW17	3																		
11:10				CSW18	4																		
11:15				CSW19	5																		
Additional Instructions: Billing# 21076894																							
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) <i>Audriana Bernadez</i>		Date 10/17/22		Time 3:00		Received by: (Signature) <i>[Signature]</i>		Date 10/17/22		Time 3:00		Lab Use Only Received on ice: ☒ Y / ☐ N											
Relinquished by: (Signature) <i>[Signature]</i>		Date 10-17-22		Time 4:15		Received by: (Signature) <i>[Signature]</i>		Date 10/18/22		Time 13:00		T1 _____ T2 _____ T3 _____											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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: 10/18/2022 3:43:40PM

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:	10/18/22 13:00	Work Order ID:	E210085
Phone:	(575) 631-6977	Date Logged In:	10/17/22 16:51	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? No
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099. Samples CS21 & CSW1 through CSW15 Cancelled per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

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.

Project Information

Chain of Custody

Page 3 of 1

Client: Pima Environmental Services Project: <u>RioBiancoLtd.com 3</u> 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 Attention: <u>Devon Energy</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-204</u>				Lab Use Only Lab WO# <u>E210085</u> Job Number <u>01058-0007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 NTEX by 8021 VOA by 8260 Metals 6010 Chloride 300.0 BGD OC NM BGD OC TX				TAT 1D 2D 3D Standard 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/DRO by 8015	GRO/DRO by 8015	NTEX by 8021	VOA by 8260	Metals 6010	Chloride 300.0	BGD OC NM	BGD OC TX	Remarks	
9:40	10/15/22	S		CS21								X			
9:45				CS101											
9:50				CS102											
9:55				CS103											
10:00				CS104											
10:05				CS105											
10:10				CS106											
10:15				CS107											
10:20				CS108											
10:25				CS109											

Additional Instructions: Billin # 21076894 samples were not received

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.

Relinquished by: (Signature) Audriana Benavides Date 10/17/22 Time 3:00 Received by: (Signature) [Signature] Date 10-17-22 Time 3:00

Relinquished by: (Signature) [Signature] Date 10-17-22 Time 4:15 Received by: (Signature) [Signature] Date 10/18/22 Time 13:00

Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____

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

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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





Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rio Blanco 4 Fed Com 3

Work Order: E210086

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/19/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/19/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210086
Date Received: 10/18/2022 12:30:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:30:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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

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ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 15:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW20	E210086-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW21	E210086-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW22	E210086-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW23	E210086-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW24	E210086-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW25	E210086-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW26	E210086-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW27	E210086-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW28	E210086-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW29	E210086-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW30	E210086-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW31	E210086-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW32	E210086-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW33	E210086-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW34	E210086-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW35	E210086-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW36	E210086-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW37	E210086-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW38	E210086-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW39	E210086-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW20

E210086-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
<i>Surrogate: Bromofluorobenzene</i>	97.5 %	70-130		10/17/22	10/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	92.2 %	70-130		10/17/22	10/18/22	
<i>Surrogate: Toluene-d8</i>	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
<i>Surrogate: Bromofluorobenzene</i>	97.5 %	70-130		10/17/22	10/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	92.2 %	70-130		10/17/22	10/18/22	
<i>Surrogate: Toluene-d8</i>	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>	111 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW21

E210086-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	113 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW22

E210086-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.6 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.6 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	114 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW23

E210086-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.7 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.7 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	110 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW24

E210086-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	104 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW25

E210086-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	98.3 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	98.3 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	100 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW26

E210086-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	100 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	100 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	107 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW27

E210086-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.0 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.0 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	107 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW28

E210086-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	111 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW29

E210086-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.7 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	100 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.7 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	100 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	115 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW30

E210086-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	10/17/22	10/18/22	
Surrogate: Toluene-d8		99.4 %	70-130	10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	10/17/22	10/18/22	
Surrogate: Toluene-d8		99.4 %	70-130	10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane		113 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW31

E210086-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	97.6 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	97.6 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	114 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW32

E210086-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	106 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW33

E210086-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	105 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	105 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	106 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW34

E210086-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	107 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW35

E210086-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	114 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW36

E210086-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	108 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW37

E210086-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	117 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW38

E210086-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	95.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	95.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	103 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	111 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:15:09PM

CSW39

E210086-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243020
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	89.1 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243044
Chloride	ND	20.0	1	10/18/22	10/18/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:15:09PM

Volatile Organic Compounds by EPA 8260B

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 (2243020-BLK1)

Prepared: 10/17/22 Analyzed: 10/18/22

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	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2243020-BS1)

Prepared: 10/17/22 Analyzed: 10/18/22

Benzene	2.49	0.0250	2.50		99.6	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.8	70-130			
Toluene	2.42	0.0250	2.50		96.8	70-130			
o-Xylene	2.33	0.0250	2.50		93.1	70-130			
p,m-Xylene	4.62	0.0500	5.00		92.4	70-130			
Total Xylenes	6.95	0.0250	7.50		92.6	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

LCS Dup (2243020-BSD1)

Prepared: 10/17/22 Analyzed: 10/18/22

Benzene	2.43	0.0250	2.50		97.2	70-130	2.38	23	
Ethylbenzene	2.48	0.0250	2.50		99.0	70-130	0.263	27	
Toluene	2.43	0.0250	2.50		97.1	70-130	0.248	24	
o-Xylene	2.34	0.0250	2.50		93.6	70-130	0.621	27	
p,m-Xylene	4.64	0.0500	5.00		92.8	70-130	0.508	27	
Total Xylenes	6.98	0.0250	7.50		93.1	70-130	0.546	27	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:15:09PM

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 (2243020-BLK1)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

LCS (2243020-BS2)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS Dup (2243020-BSD2)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	54.3	20.0	50.0		109	70-130	1.56	20	
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:15:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243024-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.8		50.0		112	50-200			

LCS (2243024-BS1)

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	55.2		50.0		110	50-200			

Matrix Spike (2243024-MS1)

Source: E210086-06

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	259	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike Dup (2243024-MSD1)

Source: E210086-06

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	1.26	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:15:09PM

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 (2243044-BLK1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	ND	20.0							
LCS (2243044-BS1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	262	20.0	250		105	90-110			
LCS Dup (2243044-BSD1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	266	20.0	250		106	90-110	1.42	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 15:15

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 5 of

Client: Pima Environmental Services Project: Rio Blanco U Fed Com 2 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 Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210086 Job Number 01058-0007					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
Analysis and Method 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				RCRA						
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
11:20	10/15/22	S	1	CSW20	1							X	
11:25				CSW21	2								
11:30				CSW22	3								
11:35				CSW23	4								
11:40				CSW24	5								
11:45				CSW25	6								
11:50				CSW26	7								
11:55				CSW27	8								
12:00				CSW28	9								
12:05				CSW29	10								

Additional Instructions: Billing 21076894

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: Ardenaudez

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>Ardenaudez</u>	10/17/22	3:00	<u>Ardenaudez</u>	10-17-22	3:00	Received on ice: <u>Y</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>Ardenaudez</u>	10-17-22	4:15	<u>Ardenaudez</u>	10/18/22	12:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

AVG Temp °C 4

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

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

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


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Project Information

Chain of Custody

Page 6 of

Client: Pima Environmental Services Project: Rio Blanco U Fed Com 3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only				TAT				EPA Program	
										Lab WO# E210086		Job Number D1058-0007		1D ☒	2D ☐	3D ☐	Standard ☐	CWA ☐	SDWA ☐
										Analysis and Method								RCRA ☐	
										State NM CO UT AZ TX ☒									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks					
12:10		S	1	CSW30	11							☒							
12:15				CSW31	12														
12:20				CSW32	13														
12:25				CSW33	14														
12:30				CSW34	15														
12:35				CSW35	16														
12:40				CSW36	17														
12:45				CSW37	18														
12:50				CSW38	19														
12:55				CSW39	20														
Additional Instructions: 21076894																			
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.																			
Relinquished by: (Signature) <i>[Signature]</i>						Date: 10/17/22 Time: 3:00						Received by: (Signature) <i>[Signature]</i>							
Relinquished by: (Signature) <i>[Signature]</i>						Date: 10-17-22 Time: 4:11						Received by: (Signature) <i>[Signature]</i>							
Relinquished by: (Signature)						Date:						Received by: (Signature)							
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: 10/19/2022 3:03:54PM

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:	10/18/22 12:30	Work Order ID:	E210086
Phone:	(575) 631-6977	Date Logged In:	10/17/22 16:53	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099. COC incomplete no date sampled.

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.

Project Information

Chain of Custody

Client: Pima Environmental Services Project: Rio Blanco U Fed Com 3 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 Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E 210086 Job Number 01058-0007 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard 7				EPA Program CWA SDWA RCRA	
														State NM CO UT AZ TX X				Remarks		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
11:20	10/15/22	S	1	CSW20	1															
11:25				CSW21	2															
11:30				CSW22	3															
11:35				CSW23	4															
11:40				CSW24	5															
11:45				CSW25	6															
11:50				CSW26	7															
11:55				CSW27	8															
12:00				CSW28	9															
12:05				CSW29	10															
Additional Instructions: Billing 21076894																				
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)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only		
Ar Benaude		10/17/22		3:00		Ar Benaude		10/17/22		3:00		Ar Benaude		10/17/22		3:00		Received on ice: (X) N		
Ar Benaude		10/17/22		3:00		Ar Benaude		10/17/22		3:00		Ar Benaude		10/17/22		3:00		T1 T2 T3		
Ar Benaude		10/17/22		3:00		Ar Benaude		10/17/22		3:00		Ar Benaude		10/17/22		3:00		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

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Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210086 Job Number D1058-0057 Analysis and Method					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
12:10	10/15/22	S	1	CSW30	11							X								
12:15				CSW31	12															
12:20				CSW32	13															
12:25				CSW33	14															
12:30				CSW34	15															
12:35				CSW35	16															
12:40				CSW36	17															
12:45				CSW37	18															
12:50				CSW38	19															
12:55				CSW39	20															
Additional Instructions: 10/18/22 CC 21076894																				
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.																				
Relinquished by: (Signature) <i>[Signature]</i> Date: 10/17/22 Time: 3:00						Received by: (Signature) <i>[Signature]</i> Date: 10/17/22 Time: 3:00						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) <i>[Signature]</i> Date: 10-17-22 Time: 4:11						Received by: (Signature) <i>[Signature]</i> Date: 10/18/22 Time: 12:30						Lab Use Only Received on ice: ☒ Y ☐ N								
Relinquished by: (Signature) _____ Date: _____ Time: _____						Received by: (Signature) _____ Date: _____ Time: _____						T1 _____ T2 _____ T3 _____ AVG Temp °C 4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

 **envirotech**

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rio Blanco 4 Fed Com 3

Work Order: E210087

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/19/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/19/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210087
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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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Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 15:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW40	E210087-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW41	E210087-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW42	E210087-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW43	E210087-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW44	E210087-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW45	E210087-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW46	E210087-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW47	E210087-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW48	E210087-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW49	E210087-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW50	E210087-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW51	E210087-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW52	E210087-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW53	E210087-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW54	E210087-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW55	E210087-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW56	E210087-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW57	E210087-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW58	E210087-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW59	E210087-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Rio Blanco 4 Fed Com 3 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/19/2022 3:16:24PM
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CSW40

E210087-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>		89.8 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW41

E210087-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		89.3 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW42

E210087-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		89.3 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW43

E210087-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.2 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		91.3 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW44

E210087-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.3 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		91.0 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW45

E210087-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.5 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		95.7 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW46

E210087-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		78.7 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		92.6 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW47

E210087-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.1 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		94.9 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW48

E210087-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.9 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		90.7 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW49

E210087-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.2 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW50

E210087-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.3 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW51

E210087-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.6 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW52

E210087-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW53

E210087-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.6 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW54

E210087-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW55

E210087-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW56

E210087-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW57

E210087-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW58

E210087-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:16:24PM

CSW59

E210087-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		78.5 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243045
Chloride	ND	20.0	1	10/18/22	10/18/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:16:24PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243018-BLK1)

Prepared: 10/17/22 Analyzed: 10/18/22

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	8.25		8.00		103	70-130			

LCS (2243018-BS1)

Prepared: 10/17/22 Analyzed: 10/18/22

Benzene	4.76	0.0250	5.00		95.2	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.3	70-130			
Toluene	4.91	0.0250	5.00		98.2	70-130			
o-Xylene	4.95	0.0250	5.00		98.9	70-130			
p,m-Xylene	9.78	0.0500	10.0		97.8	70-130			
Total Xylenes	14.7	0.0250	15.0		98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			

LCS Dup (2243018-BSD1)

Prepared: 10/17/22 Analyzed: 10/18/22

Benzene	5.20	0.0250	5.00		104	70-130	8.77	20	
Ethylbenzene	5.14	0.0250	5.00		103	70-130	6.54	20	
Toluene	5.29	0.0250	5.00		106	70-130	7.34	20	
o-Xylene	5.29	0.0250	5.00		106	70-130	6.72	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	6.11	20	
Total Xylenes	15.7	0.0250	15.0		105	70-130	6.32	20	
Surrogate: 4-Bromochlorobenzene-PID	8.37		8.00		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:16:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243018-BLK1)

Prepared: 10/17/22 Analyzed: 10/18/22

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

LCS (2243018-BS2)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

LCS Dup (2243018-BSD2)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130	3.67	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:16:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243025-BLK1) Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.6		50.0		117	50-200			

LCS (2243025-BS1) Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
Surrogate: n-Nonane	57.0		50.0		114	50-200			

Matrix Spike (2243025-MS1) Source: E210087-14 Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	284	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

Matrix Spike Dup (2243025-MSD1) Source: E210087-14 Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132	1.33	20	
Surrogate: n-Nonane	56.8		50.0		114	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:16:24PM

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 (2243045-BLK1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	ND	20.0							
LCS (2243045-BS1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	257	20.0	250		103	90-110			
LCS Dup (2243045-BSD1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	257	20.0	250		103	90-110	0.161	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 15:16

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 7 of

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Corn 3 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 Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-204</u>					Lab Use Only Lab WO# <u>E210087</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					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 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
1:00	10/15/22	S	1	CSW40	1							X								
1:05				CSW41	2															
1:10				CSW42	3															
1:15				CSW43	4															
1:20				CSW44	5															
1:25				CSW45	6															
1:30				CSW46	7															
1:35				CSW47	8															
1:40				CSW48	9															
1:45				CSW49	10															
Additional Instructions: <u>21076894</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. Sampled by: <u>Tom Bynum</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>10/17/22</u> Time <u>3:00</u> Received by: (Signature) <u>[Signature]</u> Date <u>10/17/22</u> Time <u>12:00</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>10/17/22</u> Time <u>4:15</u> Received by: (Signature) <u>[Signature]</u> Date <u>10/18/22</u> Time <u>12:00</u> Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____ 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 8 of

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only: Lab WO# E210087 Job Number 01058-007 Analysis and Method: DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM BDOC TX					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	Remarks
1:50	10/17/22	S	1	CSW 50	11								X	
1:55				CSW 51	12									
2:00				CSW 52	13									
2:05				CSW 53	14									
2:10				CSW 54	15									
2:15				CSW 55	16									
2:20				CSW 56	17									
2:25				CSW 57	18									
2:30				CSW 58	19									
2:35				CSW 59	20									

Additional Instructions: 21076894

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.

Relinquished by: (Signature) [Signature] Date 10/17/22 Time 3:00 Received by: (Signature) [Signature] Date 10/17/22 Time 3:00

Relinquished by: (Signature) [Signature] Date 10/17/22 Time 4:15 Received by: (Signature) [Signature] Date 10/18/22 Time 12:00

Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Samples 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.

Received on ice: W/ N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Envirotech Analytical Laboratory

Printed: 10/19/2022 11:41:38AM

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:	10/18/22 12:00	Work Order ID:	E210087
Phone:	(575) 631-6977	Date Logged In:	10/17/22 16:54	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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: Rio Blanco 4 Fed Com 3

Work Order: E210088

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/19/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/19/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210088
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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

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Technical Representative/Client Services
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Cell: 505-320-4759
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 15:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW60	E210088-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW61	E210088-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW62	E210088-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW63	E210088-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW64	E210088-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW65	E210088-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW66	E210088-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW68	E210088-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW69	E210088-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW70	E210088-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW71	E210088-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW72	E210088-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW73	E210088-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW74	E210088-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW75	E210088-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW76	E210088-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CSW67	E210088-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW60

E210088-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243019	
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	80.1 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243026	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243046	
Chloride	ND	100	5	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW61

E210088-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.4 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW62

E210088-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.7 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW63

E210088-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.8 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW64

E210088-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.6 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW65

E210088-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243019	
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.2 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243026	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243046	
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW66

E210088-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243019	
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.6 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243026	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243046	
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW68

E210088-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW69

E210088-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.1 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		122 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW70

E210088-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.2 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW71

E210088-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.2 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	124 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW72

E210088-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.6 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW73

E210088-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.9 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW74

E210088-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.1 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW75

E210088-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243019	
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.5 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243026	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243046	
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW76

E210088-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.9 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:20:00PM

CSW67

E210088-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243019
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.3 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243046
Chloride	ND	20.0	1	10/18/22	10/18/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:20:00PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243019-BLK1)

Prepared: 10/17/22 Analyzed: 10/18/22

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	8.04		8.00		101	70-130			

LCS (2243019-BS1)

Prepared: 10/17/22 Analyzed: 10/18/22

Benzene	5.61	0.0250	5.00		112	70-130			
Ethylbenzene	4.46	0.0250	5.00		89.3	70-130			
Toluene	4.76	0.0250	5.00		95.1	70-130			
o-Xylene	4.53	0.0250	5.00		90.6	70-130			
p,m-Xylene	9.07	0.0500	10.0		90.7	70-130			
Total Xylenes	13.6	0.0250	15.0		90.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			

LCS Dup (2243019-BS1)

Prepared: 10/17/22 Analyzed: 10/18/22

Benzene	5.46	0.0250	5.00		109	70-130	2.69	20	
Ethylbenzene	4.36	0.0250	5.00		87.2	70-130	2.39	20	
Toluene	4.64	0.0250	5.00		92.8	70-130	2.45	20	
o-Xylene	4.42	0.0250	5.00		88.3	70-130	2.52	20	
p,m-Xylene	8.86	0.0500	10.0		88.6	70-130	2.34	20	
Total Xylenes	13.3	0.0250	15.0		88.5	70-130	2.40	20	
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:20:00PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243019-BLK1)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.47		8.00		80.9	70-130			

LCS (2243019-BS2)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.62		8.00		82.8	70-130			

LCS Dup (2243019-BSD2)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130	0.818	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.65		8.00		83.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:20:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243026-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.8		50.0		124	50-200			

LCS (2243026-BS1)

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	237	25.0	250		94.7	38-132			
Surrogate: n-Nonane	56.8		50.0		114	50-200			

Matrix Spike (2243026-MS1)

Source: E210088-11

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.8	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

Matrix Spike Dup (2243026-MSD1)

Source: E210088-11

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	38-132	2.87	20	
Surrogate: n-Nonane	56.8		50.0		114	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:20:00PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2243046-BLK1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	ND	20.0							
LCS (2243046-BS1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	262	20.0	250		105	90-110			
LCS Dup (2243046-BSD1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	271	20.0	250		108	90-110	3.50	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 15:20

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 9 of

Client: Pima Environmental Services Project: Rio Blanco 2 Fed Com 3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only						TAT				EPA Program	
										Lab WO# E210088		Job Number 00580007		1D X	2D	3D	Standard	CWA	SDWA		
										Analysis and Method										RCRA	
										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	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks							
2:40	10/15/22	S	1	CSW 60	1							X									
2:45				CSW 61	2																
2:50				CSW 62	3																
2:55				CSW 63	4																
3:00				CSW 64	5																
3:05				CSW 65	6																
3:10				CSW 66	7																
3:15				CSW 68	8																
3:20				CSW 69	9																
3:25				CSW 70	10																
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
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 10/17/22	Time 3:00	Received by: (Signature) 		Date 10-17-22	Time 3:00	Lab Use Only Received on ice: ☒ Y ☐ N													
Relinquished by: (Signature) 		Date 10-17-22	Time 4:15	Received by: (Signature) 		Date 10-18-22	Time 12:00	T1 _____ T2 _____ T3 _____													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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.																					

Chain of Custody



Envirotech Analytical Laboratory

Printed: 10/19/2022 11:52:22AM

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:	10/18/22 12:00	Work Order ID:	E210088
Phone:	(575) 631-6977	Date Logged In:	10/17/22 16:56	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? No
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099. Received extra sample CSW67 Client asked to add to 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.

Project Information

Chain of Custody

Page 9 of

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210088 Job Number 0058007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D X			EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X			Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number														
2:40	10/15/22	S	1	CSW 60	1														
2:45				CSW 61	2														
2:50				CSW 62	3														
2:55				CSW 63	4														
3:00				CSW 64	5														
3:05				CSW 65	6														
3:10				CSW 66	7														
3:15				CSW 68	8														
3:20				CSW 69	9														
3:25				CSW 70	10														
Additional Instructions: 21076894																			
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: ☒ Y ☐ N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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 10 of

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Con 3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E21688 Job Number 0058007 Analysis and Method					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX							
3:30	10/15/22	S	1	CSW71	11							X								
3:35				CSW72	12															
3:40				CSW73	13															
3:45				CSW74	14															
3:50				CSW75	15															
3:55				CSW76	16															
	10/15	S	1	CSW67	17															
received extra sample added per Client 10/18/22																				
Additional Instructions: 21076894																				
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>Alexander Sanders</u> Date <u>10/17/22</u> Time <u>3:00</u> Received by: (Signature) <u>A. Benavides</u> Date <u>10/17/22</u> Time <u>3:00</u>																				
Relinquished by: (Signature) <u>A. Benavides</u> Date <u>10/17/22</u> Time <u>4:15</u> Received by: (Signature) <u>A. Benavides</u> Date <u>10/18/22</u> Time <u>12:00</u>																				
Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____																				
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

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rio Blanco 4 Fed Com 3

Work Order: E210089

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/19/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/19/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210089
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported: 10/19/22 15:27
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
CS22	E210089-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS23	E210089-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS24	E210089-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS25	E210089-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS26	E210089-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS27	E210089-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS28	E210089-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS29	E210089-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS30	E210089-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS31	E210089-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS32	E210089-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS33	E210089-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS34	E210089-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS35	E210089-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS36	E210089-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS37	E210089-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS38	E210089-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS39	E210089-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS40	E210089-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS41	E210089-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS22

E210089-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	97.7 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	97.7 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	112 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS23

E210089-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	114 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS24

E210089-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	113 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS25

E210089-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	10/17/22	10/18/22	
Surrogate: Toluene-d8		100 %	70-130	10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	10/17/22	10/18/22	
Surrogate: Toluene-d8		100 %	70-130	10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane		114 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS26

E210089-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.1 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.1 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	110 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS27

E210089-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	98.8 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	98.8 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	112 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS28

E210089-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	110 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS29

E210089-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.9 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/18/22	
Surrogate: n-Nonane	106 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS30

E210089-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	108 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS31

E210089-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	100 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	100 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	114 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS32

E210089-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.7 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	99.7 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	112 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS33

E210089-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/18/22	
Toluene	ND	0.0250	1	10/17/22	10/18/22	
o-Xylene	ND	0.0250	1	10/17/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	96.9 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/18/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/18/22	
Surrogate: Toluene-d8	96.9 %	70-130		10/17/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	115 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS34

E210089-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/19/22	
Toluene	ND	0.0250	1	10/17/22	10/19/22	
o-Xylene	ND	0.0250	1	10/17/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	98.1 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	98.1 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	113 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS35

E210089-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/19/22	
Toluene	ND	0.0250	1	10/17/22	10/19/22	
o-Xylene	ND	0.0250	1	10/17/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	100 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	100 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	114 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS36

E210089-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/19/22	
Toluene	ND	0.0250	1	10/17/22	10/19/22	
o-Xylene	ND	0.0250	1	10/17/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	116 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS37

E210089-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/19/22	
Toluene	ND	0.0250	1	10/17/22	10/19/22	
o-Xylene	ND	0.0250	1	10/17/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	97.0 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	97.0 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	114 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS38

E210089-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/19/22	
Toluene	ND	0.0250	1	10/17/22	10/19/22	
o-Xylene	ND	0.0250	1	10/17/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	115 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS39

E210089-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/19/22	
Toluene	ND	0.0250	1	10/17/22	10/19/22	
o-Xylene	ND	0.0250	1	10/17/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	10/17/22	10/19/22	
Surrogate: Toluene-d8		99.0 %	70-130	10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	10/17/22	10/19/22	
Surrogate: Toluene-d8		99.0 %	70-130	10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane		111 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS40

E210089-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/19/22	
Toluene	ND	0.0250	1	10/17/22	10/19/22	
o-Xylene	ND	0.0250	1	10/17/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	115 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:27:41PM

CS41

E210089-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Benzene	ND	0.0250	1	10/17/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/17/22	10/19/22	
Toluene	ND	0.0250	1	10/17/22	10/19/22	
o-Xylene	ND	0.0250	1	10/17/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/17/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/22	10/19/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/17/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		10/17/22	10/19/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/17/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243027
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	117 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243047
Chloride	ND	20.0	1	10/18/22	10/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported: 10/19/2022 3:27:41PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

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 (2243021-BLK1)

Prepared: 10/17/22 Analyzed: 10/18/22

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	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.550		0.500		110	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			

LCS (2243021-BS1)

Prepared: 10/17/22 Analyzed: 10/18/22

Benzene	2.38	0.0250	2.50		95.3	70-130			
Ethylbenzene	2.36	0.0250	2.50		94.4	70-130			
Toluene	2.41	0.0250	2.50		96.4	70-130			
o-Xylene	2.49	0.0250	2.50		99.8	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.39	0.0250	7.50		98.5	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

LCS Dup (2243021-BSD1)

Prepared: 10/17/22 Analyzed: 10/18/22

Benzene	2.43	0.0250	2.50		97.2	70-130	2.04	23	
Ethylbenzene	2.45	0.0250	2.50		98.2	70-130	3.95	27	
Toluene	2.46	0.0250	2.50		98.5	70-130	2.15	24	
o-Xylene	2.57	0.0250	2.50		103	70-130	2.83	27	
p,m-Xylene	5.03	0.0500	5.00		101	70-130	2.84	27	
Total Xylenes	7.60	0.0250	7.50		101	70-130	2.84	27	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.563		0.500		113	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:27:41PM

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 (2243021-BLK1)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.550		0.500		110	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			

LCS (2243021-BS2)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.553		0.500		111	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS Dup (2243021-BSD2)

Prepared: 10/17/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0		108	70-130	0.100	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.527		0.500		105	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:27:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243027-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	57.0		50.0		114	50-200			

LCS (2243027-BS1)

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: <i>n</i> -Nonane	55.4		50.0		111	50-200			

Matrix Spike (2243027-MS1)

Source: E210089-06

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: <i>n</i> -Nonane	53.7		50.0		107	50-200			

Matrix Spike Dup (2243027-MSD1)

Source: E210089-06

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	1.10	20	
Surrogate: <i>n</i> -Nonane	56.3		50.0		113	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:27:41PM

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 (2243047-BLK1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	ND	20.0							
LCS (2243047-BS1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	260	20.0	250		104	90-110			
LCS Dup (2243047-BSD1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	260	20.0	250		104	90-110	0.140	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 15:27

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Page 11 of

Client: Pima Environmental Services Project: Rio Blanco U Fed Com 3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210089 Job Number 0058-007						TAT 1D ☒ 2D ☐ 3D ☐			EPA Program CWA ☐ SDWA ☐	
										Analysis and Method						Standard		RCRA		
										State NM ☒ CO ☐ UT ☐ AZ ☐ TX ☐						Remarks				
										DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
4:00	10/5/22	S	1	CS 22	1															
4:05				CS 23	2															
4:10				CS 24	3															
4:15				CS 25	4															
4:20				CS 26	5															
4:25				CS 27	6															
4:30				CS 28	7															
4:35				CS 29	8															
4:40				CS 30	9															
4:45				CS 31	10															
Additional Instructions: 21076894																				
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: ☒ Y ☐ N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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.																				

Client: **Pima Environmental Services**
Project: **Rio Blanco 4 Fed Com 3**
Project Manager: **Tom Bynum**
Address: **5614 N. Lovington Hwy.**
City, State, Zip Hobbs, NM. 88240
Phone: **580-748-1613**
Email: **tom@pimaoil.com**
Report due by:

Attention: Devon
Address: _____
City, State, Zip _____
Phone: _____
Email: _____
Pima Project # i-204

Lab WO# E210089	Job Number 01056-007
--------------------	-------------------------

1D	2D	3D	Standard
X			

CWA	SDWA

					RCRA
State					
NM	CO	UT	AZ	TX	
<i>h</i>					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/O	GRO/D	BTEX b	VOC by	Metals	Chlorid			BGDOC	BGDOC		Remarks
4:50	10/15/27	S	1	CS 32	11									X			
4:55				CS 33	12												
5:00				CS 34	13												
5:05				CS 35	14												
5:10				CS 36	15												
5:15				CS 37	16												
5:20				CS 38	17												
5:30				CS 39	18												
5:35				CS 40	19												
5:40				CS 41	20												

210716894

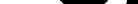
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Received on ice: Y / N

T1	T2	T3
----	----	----

AVG Temp °C 9

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



Envirotech Analytical Laboratory

Printed: 10/19/2022 11:55:45AM

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:	10/18/22 12:00	Work Order ID:	E210089
Phone:	(575) 631-6977	Date Logged In:	10/17/22 16:58	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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: Rio Blanco 4 Fed Com 3

Work Order: E210090

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/19/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/19/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210090
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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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Alexa Michaels
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Rayny Hagan
Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported: 10/19/22 15:28
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
CS42	E210090-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS43	E210090-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS44	E210090-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS45	E210090-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS46	E210090-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS47	E210090-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS48	E210090-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS49	E210090-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS50	E210090-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS51	E210090-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS52	E210090-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS53	E210090-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS54	E210090-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS55	E210090-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS56	E210090-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS57	E210090-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS58	E210090-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS59	E210090-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS60	E210090-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS61	E210090-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS42

E210090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243034	
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	107 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.2 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243028	
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
	85.0 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243048	
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS43

E210090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.3 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		87.8 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS44

E210090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.5 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		86.7 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS45

E210090-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.7 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		82.5 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS46

E210090-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.8 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		80.5 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS47

E210090-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.0 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		78.0 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS48

E210090-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.8 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		83.8 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS49

E210090-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.6 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		82.6 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS50

E210090-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.1 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
<i>Surrogate: n-Nonane</i>						
		89.3 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS51

E210090-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.1 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		92.6 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS52

E210090-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		89.5 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS53

E210090-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		87.6 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS54

E210090-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		84.2 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS55

E210090-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		88.4 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS56

E210090-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		86.6 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS57

E210090-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		84.8 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS58

E210090-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.1 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		85.2 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS59

E210090-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		86.7 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS60

E210090-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243034	
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243028	
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		84.8 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243048	
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 3:28:12PM

CS61

E210090-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243028
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		72.3 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243048
Chloride	ND	20.0	1	10/18/22	10/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:28:12PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243034-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

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	8.12		8.00		102	70-130			

LCS (2243034-BS1)

Prepared: 10/18/22 Analyzed: 10/18/22

Benzene	5.90	0.0250	5.00		118	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.3	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
p,m-Xylene	9.58	0.0500	10.0		95.8	70-130			
Total Xylenes	14.4	0.0250	15.0		95.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130			

LCS Dup (2243034-BS1)

Prepared: 10/18/22 Analyzed: 10/18/22

Benzene	5.65	0.0250	5.00		113	70-130	4.29	20	
Ethylbenzene	4.53	0.0250	5.00		90.6	70-130	4.00	20	
Toluene	4.82	0.0250	5.00		96.5	70-130	4.16	20	
o-Xylene	4.61	0.0250	5.00		92.3	70-130	3.75	20	
p,m-Xylene	9.22	0.0500	10.0		92.2	70-130	3.90	20	
Total Xylenes	13.8	0.0250	15.0		92.2	70-130	3.85	20	
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:28:12PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243034-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.15		8.00		76.9	70-130			

LCS (2243034-BS2)

Prepared: 10/18/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.9	70-130			

LCS Dup (2243034-BSD2)

Prepared: 10/18/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130	6.77	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.60		8.00		82.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:28:12PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243028-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			

LCS (2243028-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	200	25.0	250		80.0	38-132			
Surrogate: n-Nonane	45.4		50.0		90.9	50-200			

Matrix Spike (2243028-MS1)

Source: E210090-05

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	211	50.0	250	ND	84.4	38-132			
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

Matrix Spike Dup (2243028-MSD1)

Source: E210090-05

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	214	50.0	250	ND	85.4	38-132	1.22	20	
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 3:28:12PM

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 (2243048-BLK1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	ND	20.0							
LCS (2243048-BS1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	263	20.0	250		105	90-110			
LCS Dup (2243048-BSD1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	261	20.0	250		104	90-110	0.854	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 15:28

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 13 of

Client: Pima Environmental Services Project: Rio Blanco 4 Fed 80m3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210090 Job Number 01058-0007						TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
										Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX						RCRA		State NM CO UT AZ TX			
																		Remarks			
										Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number						
5:45	10/15/22	S	1	CS 42	1	DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX NM CO UT AZ TX X															
5:50				CS 43	2																
5:55				CS 44	3																
6:00				CS 45	4																
6:05				CS 46	5																
6:10				CS 47	6																
6:15				CS 48	7																
6:20				CS 49	8																
6:25				CS 50	9																
6:30				CS 51	10																
Additional Instructions: 21076894																					
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: ☒ N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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 14 of

Client: Pima Environmental Services Project: Rio Blanco U Fed Com 3 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 Attention: Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210090 Job Number 010580007 Analysis and Method					TAT 1D 2D 3D Standard			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 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks					
6:35	10/15/22	S	1	CS 52	11							X							
6:40				CS 53	12														
6:45				CS 54	13														
6:50				CS 55	14														
6:55				CS 56	15														
7:00				CS 57	16														
7:05				CS 58	17														
7:10				CS 59	18														
7:15				CS 60	19														
7:20				CS 61	20														
Additional Instructions: 21076894																			
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: ☒ Y ☐ N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3 4											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C											
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: 10/19/2022 11:59:50AM

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:	10/18/22 12:00	Work Order ID:	E210090
Phone:	(575) 631-6977	Date Logged In:	10/17/22 16:59	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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: Rio Blanco 4 Fed Com 3

Work Order: E210091

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/19/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/19/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210091
Date Received: 10/18/2022 12:30:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:30:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 16:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS62	E210091-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS63	E210091-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS64	E210091-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS65	E210091-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS66	E210091-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS67	E210091-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS68	E210091-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS69	E210091-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS70	E210091-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS71	E210091-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS72	E210091-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS73	E210091-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS74	E210091-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS75	E210091-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS76	E210091-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS77	E210091-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS78	E210091-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS79	E210091-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS80	E210091-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS81	E210091-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS62

E210091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.0 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.0 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
Surrogate: n-Nonane	113 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS63

E210091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.0 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.0 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
Surrogate: n-Nonane	111 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS64

E210091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.3 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.3 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
Surrogate: n-Nonane	112 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS65

E210091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	97.8 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	97.8 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
Surrogate: n-Nonane	115 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS66

E210091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.8 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.8 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
Surrogate: n-Nonane	112 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS67

E210091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	97.5 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	97.5 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
Surrogate: n-Nonane	116 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS68

E210091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	97.3 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	97.3 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
Surrogate: n-Nonane	119 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS69

E210091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.6 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.6 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
Surrogate: n-Nonane	117 %	50-200		10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS70

E210091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	10/18/22	10/19/22	
Surrogate: Toluene-d8		99.6 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	10/18/22	10/19/22	
Surrogate: Toluene-d8		99.6 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/18/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/18/22	
Surrogate: n-Nonane		119 %	50-200	10/18/22	10/18/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	46.7	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS71

E210091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	10/18/22	10/19/22	
Surrogate: Toluene-d8		99.6 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	10/18/22	10/19/22	
Surrogate: Toluene-d8		99.6 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane		118 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	34.6	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS72

E210091-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	10/18/22	10/19/22	
Surrogate: Toluene-d8		100 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	10/18/22	10/19/22	
Surrogate: Toluene-d8		100 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane		125 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	29.7	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS73

E210091-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.7 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.7 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane	119 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	22.3	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS74

E210091-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.3 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.3 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane	120 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS75

E210091-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane	129 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	20.3	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS76

E210091-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane	121 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	20.5	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS77

E210091-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane	125 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	28.1	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS78

E210091-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane	120 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	30.7	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS79

E210091-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	94.1 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	94.1 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane	121 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	24.5	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS80

E210091-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane	130 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	28.6	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:55:10PM

CS81

E210091-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243035
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243029
Diesel Range Organics (C10-C28)	ND	50.0	2	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	100	2	10/18/22	10/19/22	
Surrogate: n-Nonane	134 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243049
Chloride	ND	20.0	1	10/18/22	10/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported: 10/19/2022 4:55:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

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 (2243035-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

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	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500		110	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2243035-BS1)

Prepared: 10/18/22 Analyzed: 10/18/22

Benzene	2.35	0.0250	2.50		93.9	70-130			
Ethylbenzene	2.36	0.0250	2.50		94.6	70-130			
Toluene	2.40	0.0250	2.50		95.9	70-130			
o-Xylene	2.46	0.0250	2.50		98.2	70-130			
p,m-Xylene	4.93	0.0500	5.00		98.5	70-130			
Total Xylenes	7.38	0.0250	7.50		98.4	70-130			
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.549		0.500		110	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

LCS Dup (2243035-BSD1)

Prepared: 10/18/22 Analyzed: 10/18/22

Benzene	2.43	0.0250	2.50		97.1	70-130	3.41	23	
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130	4.24	27	
Toluene	2.52	0.0250	2.50		101	70-130	4.84	24	
o-Xylene	2.55	0.0250	2.50		102	70-130	3.89	27	
p,m-Xylene	5.15	0.0500	5.00		103	70-130	4.39	27	
Total Xylenes	7.70	0.0250	7.50		103	70-130	4.22	27	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.537		0.500		107	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 4:55:10PM

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 (2243035-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500		110	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

LCS (2243035-BS2)

Prepared: 10/18/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	56.8	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.548		0.500		110	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			

LCS Dup (2243035-BSD2)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130	8.25	20	
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 4:55:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243029-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.5		50.0		109	50-200			

LCS (2243029-BS1)

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	214	25.0	250		85.4	38-132			
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	50-200			

Matrix Spike (2243029-MS1)

Source: E210091-03

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	228	50.0	250	ND	91.1	38-132			
Surrogate: <i>n</i> -Nonane	52.0		50.0		104	50-200			

Matrix Spike Dup (2243029-MSD1)

Source: E210091-03

Prepared: 10/18/22 Analyzed: 10/18/22

Diesel Range Organics (C10-C28)	223	50.0	250	ND	89.4	38-132	1.85	20	
Surrogate: <i>n</i> -Nonane	53.6		50.0		107	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 4:55:10PM

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 (2243049-BLK1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	ND	20.0							
LCS (2243049-BS1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	262	20.0	250		105	90-110			
LCS Dup (2243049-BSD1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	262	20.0	250		105	90-110	0.123	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 16:55

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 15 of

Client: Pima Environmental Services Project: 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 Attention: Address: City, State, Zip Phone: Email: Pima Project # 1-204					Lab Use Only						TAT				EPA Program	
										Lab WO# E210091		Job Number 01058-0007		1D ☒	2D ☐	3D ☐	Standard ☐	CWA ☐	SDWA ☐		
										Analysis and Method						RCRA ☐		State			
										DRO/DRO 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 ☐
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks					
7:25	10/15/22	S	1	CS62	1																
7:30				CS63	2																
7:35				CS64	3																
7:40				CS65	4																
7:45				CS66	5																
7:50				CS67	6																
7:55				CS68	7																
8:00				CS69	8																
8:05				CS70	9																
8:10				CS71	10																
Additional Instructions: 21076894																					
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: ☒ Y ☐ N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 ____ of ____

Client: Pima Environmental Services Project: 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 Attention: Address: City, State, Zip Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E 210091 Job Number 01058-0007 Analysis and Method					TAT 1D 2D 3D Standard			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 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks					
8:15	10/15/22	S	1	CS 72	11							X							
8:20				CS 73	12														
8:25				CS 74	13														
8:30				CS 75	14														
8:35				CS 76	15														
8:40				CS 77	16														
8:45				CS 78	17														
8:50				CS 79	18														
8:55				CS 80	19														
9:00				CS 81	20														
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											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: 01 N T1 T2 T3 AVG Temp °C 4							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
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: 10/19/2022 3:33:17PM

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:	10/18/22 12:30	Work Order ID:	E210091
Phone:	(575) 631-6977	Date Logged In:	10/17/22 17:01	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099. COC Incomplete no project name.

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.

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____ Pima Project # 1-204			Lab Use Only				TAT				EPA Program		
						Lab WO# E210091		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA	
						Analysis and Method										RCRA
																State
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks		
7:25	10/15/22	S	1	CS62	1							X				
7:30				CS63	2											
7:35				CS64	3											
7:40				CS65	4											
7:45				CS66	5											
7:50				CS67	6											
7:55				CS68	7											
8:00				CS69	8											
8:05				CS70	9											
8:10				CS71	10											
Additional Instructions: 21076894																
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		
Relinquished by: (Signature)			Date		Time		Received by: (Signature)			Date		Time		Received on ice: (Y) / N		
Relinquished by: (Signature)			Date		Time		Received by: (Signature)			Date		Time		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.																

Project Information

Chain of Custody

Page ____ of ____

10/18/22 CC

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <i>1-204</i>				Lab Use Only Lab WO# <i>E 210091</i> Job Number <i>01058-0007</i>				TAT 1D ☒ 2D ☐ 3D ☐ Standard ☐				EPA Program CWA ☐ SDWA ☐	
								Analysis and Method DRO/DRO by 8015 ☐ GRO/DRO by 8015 ☐ BTEX by 8021 ☐ VOC by 8260 ☐ Metals 6010 ☐ Chloride 309.0 ☐ BGDOC NM ☒ BGDOC TX ☐				RCRA ☐					
												State NM ☒ CO ☐ UT ☐ AZ ☐ TX ☐					
												Remarks					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 309.0	BGDOC NM	BGDOC TX				
8:15	<i>10/15/22</i>	<i>S</i>	<i>1</i>	<i>CS 72</i>	<i>11</i>							☒					
8:20				<i>CS 73</i>	<i>12</i>												
8:25				<i>CS 74</i>	<i>13</i>												
8:30				<i>CS 75</i>	<i>14</i>												
8:35				<i>CS 76</i>	<i>15</i>												
8:40				<i>CS 77</i>	<i>16</i>												
8:45				<i>CS 78</i>	<i>17</i>												
8:50				<i>CS 79</i>	<i>18</i>												
8:55				<i>CS 80</i>	<i>19</i>												
9:00				<i>CS 81</i>	<i>20</i>												
Additional Instructions:																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <i>01 N</i>					
<i>[Signature]</i>		<i>10-17-22</i>		<i>4:10</i>		<i>[Signature]</i>		<i>10-17-22</i>		<i>3:00</i>		T1 _____ T2 _____ T3 _____					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <i>4</i>					
<i>[Signature]</i>		<i>10-17-22</i>		<i>4:10</i>		<i>[Signature]</i>		<i>10-18-22</i>		<i>12:30</i>							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time							
<i>[Signature]</i>						<i>[Signature]</i>											
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

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rio Blanco 4 Fed Com 3

Work Order: E210092

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/19/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/19/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210092
Date Received: 10/18/2022 12:30:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:30:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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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Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 16:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS82	E210092-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS83	E210092-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS84	E210092-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS85	E210092-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS86	E210092-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS87	E210092-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS88	E210092-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS89	E210092-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS90	E210092-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS91	E210092-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS92	E210092-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS93	E210092-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS94	E210092-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS95	E210092-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS96	E210092-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS97	E210092-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS98	E210092-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS99	E210092-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS100	E210092-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS101	E210092-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS82

E210092-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243036	
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243030	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	74.9 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243050	
Chloride	32.9	20.0	1	10/18/22	10/18/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS83

E210092-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		83.8 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	23.7	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS84

E210092-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		60.8 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	23.4	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS85

E210092-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.6 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		63.9 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS86

E210092-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		96.9 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	35.8	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS87

E210092-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.3 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	42.7	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS88

E210092-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	22.3	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS89

E210092-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS90

E210092-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		90.6 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	48.4	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS91

E210092-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.2 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS92

E210092-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	23.2	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS93

E210092-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.3 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS94

E210092-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	20.7	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS95

E210092-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		99.2 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS96

E210092-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS97

E210092-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS98

E210092-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	21.3	20.0	1	10/18/22	10/19/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
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Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS99

E210092-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	22.3	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS100

E210092-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	22.1	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/19/2022 4:36:25PM

CS101

E210092-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243036
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243030
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243050
Chloride	ND	20.0	1	10/18/22	10/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 4:36:25PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243036-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

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	8.40		8.00		105	70-130			

LCS (2243036-BS1)

Prepared: 10/18/22 Analyzed: 10/18/22

Benzene	4.78	0.0250	5.00		95.5	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.3	70-130			
Toluene	4.92	0.0250	5.00		98.4	70-130			
o-Xylene	4.95	0.0250	5.00		99.1	70-130			
p,m-Xylene	9.78	0.0500	10.0		97.8	70-130			
Total Xylenes	14.7	0.0250	15.0		98.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			

LCS Dup (2243036-BSD1)

Prepared: 10/18/22 Analyzed: 10/18/22

Benzene	4.56	0.0250	5.00		91.2	70-130	4.58	20	
Ethylbenzene	4.58	0.0250	5.00		91.6	70-130	5.00	20	
Toluene	4.69	0.0250	5.00		93.8	70-130	4.79	20	
o-Xylene	4.73	0.0250	5.00		94.6	70-130	4.64	20	
p,m-Xylene	9.31	0.0500	10.0		93.1	70-130	4.94	20	
Total Xylenes	14.0	0.0250	15.0		93.6	70-130	4.84	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 4:36:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243036-BLK1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

LCS (2243036-BS2)					Prepared: 10/18/22 Analyzed: 10/18/22				
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

LCS Dup (2243036-BSD2)					Prepared: 10/18/22 Analyzed: 10/18/22				
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.2	70-130	6.84	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 4:36:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243030-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.3		50.0		113	50-200			

LCS (2243030-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	216	25.0	250		86.4	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matrix Spike (2243030-MS1)

Source: E210092-13

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.7	38-132			
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			

Matrix Spike Dup (2243030-MSD1)

Source: E210092-13

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.4	38-132	1.37	20	
Surrogate: n-Nonane	52.6		50.0		105	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/2022 4:36:25PM

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 (2243050-BLK1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	ND	20.0							
LCS (2243050-BS1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	267	20.0	250		107	90-110			
LCS Dup (2243050-BSD1)					Prepared: 10/18/22 Analyzed: 10/18/22				
Chloride	262	20.0	250		105	90-110	1.88	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/19/22 16:36

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page ____ of ____

Client: Pima Environmental Services Project: 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 Attention: Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210092 Job Number 01058-0007 Analysis and Method					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 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
9:05	10/15/22	S	1	CS 82	1							X								
9:10				CS 83	2															
9:15				CS 84	3															
9:20				CS 85	4															
9:25				CS 86	5															
9:30				CS 87	6															
9:35				CS 88	7															
9:40				CS 89	8															
9:45				CS 90	9															
9:50				CS 91	10															
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											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: ☒ Y ☐ N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1		T2		T3								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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: 10/19/2022 12:05:53PM

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:	10/18/22 12:30	Work Order ID:	E210092
Phone:	(575) 631-6977	Date Logged In:	10/17/22 17:03	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099. Project name not provided on 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.

Project Information

Chain of Custody

Page ____ of ____

10/19/22 CE

Client: Pima Environmental Services Project: <u>El O Blanco 4 Red Com 3</u> 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 Attention: Address: City, State, Zip: Phone: Email: Pima Project # <u>1-204</u>					Lab Use Only Lab WO# <u>E210092</u> Job Number <u>010558-0007</u>					TAT 1D 2D 3D Standard ☒ ☐ ☐ ☐				EPA Program CWA SDWA RCRA	
					Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 3000 BGDOC NM BGDOC TX										State NM CO UT AZ TX ☒ ☐ ☐ ☐ ☐					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC NM	BGDOC TX	Remarks
9:05	10/15/22	S	1	CS82	1							☒		
9:10				CS83	2									
9:15				CS84	3									
9:20				CS85	4									
9:25				CS86	5									
9:30				CS87	6									
9:35				CS88	7									
9:40				CS89	8									
9:45				CS90	9									
9:50				CS91	10									

Additional Instructions:

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

Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) T. Mann Date 10-17-22 Time 3:00

Relinquished by: (Signature) [Signature] Date 10-17-22 Time 4:15 Received by: (Signature) [Signature] Date 10-18-22 Time 12:30

Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____

Lab Use Only
Received on ice: ☒ N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



10/18/22, 2:09 PM

Pima Oil Mail - (no subject)

Project Information

Client: Pima Environmental Services
 Project: **RIO Blanco 4 Fed Cam3**
 Project Manager: Todd Eubank
 Address: 1601 N Turner St, Suite 500
 City: State, AZ 85705
 Phone: 602-748-1611
 Email: 307@pimaenv.com

10/19/22 Ce

Pima Project #1704

Date Sampled	Site Number	Depth	Soil Type	Sample ID	Lab Number
10-15	1	5	1	CS 92	11
10-11				CS 93	12
10-15				CS 94	13
10-10				CS 95	14
10-15				CS 96	15
10-20				CS 97	16
10-25				CS 98	17
10-30				CS 99	18
10-35				CS 100	19
10-40				CS 101	20

Additional Instructions:

1. Field comments, refer to the location and date/time for this sample. Add details that may be helpful in identifying the sample location.

Date of time of collection is considered final and may be printed on label after.

Signature: *[Signature]*

10/18/22

2:47

[Signature]

10-17-22 3:00P

Signature: *[Signature]*

10-18-22

5:15

[Signature]

10-18-22 12:00

Signature: *[Signature]*

10-18-22

5:15

[Signature]

10-18-22 12:00

Sample Matrix: Soil, Sediment, Sludge, Aqueous, Gas, Other

Container Type: Plastic, Glass, Metal, Other

Note: Samples are preserved in dry, dark conditions and are not to be opened until analyzed. The results of the analysis are the property of the laboratory. The laboratory is not responsible for the results of the analysis if the sample is not properly preserved or if the sample is not properly labeled.



Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rio Blanco 4 Fed Com 3

Work Order: E210093

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/20/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210093
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported: 10/20/22 13:35
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
CS102	E210093-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS103	E210093-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS104	E210093-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS105	E210093-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS106	E210093-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS107	E210093-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS108	E210093-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS109	E210093-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS110	E210093-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS111	E210093-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS112	E210093-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS113	E210093-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS114	E210093-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS115	E210093-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS116	E210093-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS117	E210093-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS118	E210093-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS119	E210093-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS120	E210093-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS121	E210093-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS102

E210093-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	79.7 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	22.8	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS103

E210093-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	10/18/22	10/18/22	
Surrogate: Toluene-d8		104 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	10/18/22	10/18/22	
Surrogate: Toluene-d8		104 %	70-130	10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane		83.6 %	50-200	10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS104

E210093-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	87.5 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS105

E210093-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	69.0 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	23.4	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS106

E210093-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	115 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS107

E210093-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	112 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	20.3	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS108

E210093-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	110 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS109

E210093-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	109 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS110

E210093-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/18/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/18/22	
Toluene	ND	0.0250	1	10/18/22	10/18/22	
o-Xylene	ND	0.0250	1	10/18/22	10/18/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/18/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/18/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/18/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		10/18/22	10/18/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	108 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS111

E210093-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	104 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS112

E210093-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	95.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	95.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	108 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS113

E210093-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	106 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS114

E210093-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	113 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS115

E210093-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	112 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS116

E210093-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	115 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS117

E210093-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	113 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	21.8	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS118

E210093-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	106 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS119

E210093-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	105 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS120

E210093-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	104 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 1:35:05PM

CS121

E210093-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	102 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243031
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/22	10/19/22	
Surrogate: n-Nonane	108 %	50-200		10/18/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243051
Chloride	ND	20.0	1	10/18/22	10/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 1:35:05PM

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 (2243039-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

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	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2243039-BS1)

Prepared: 10/18/22 Analyzed: 10/18/22

Benzene	2.95	0.0250	2.50		118	70-130			
Ethylbenzene	2.92	0.0250	2.50		117	70-130			
Toluene	2.90	0.0250	2.50		116	70-130			
o-Xylene	2.76	0.0250	2.50		110	70-130			
p,m-Xylene	5.50	0.0500	5.00		110	70-130			
Total Xylenes	8.25	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

LCS Dup (2243039-BSD1)

Prepared: 10/18/22 Analyzed: 10/18/22

Benzene	2.56	0.0250	2.50		102	70-130	14.2	23	
Ethylbenzene	2.53	0.0250	2.50		101	70-130	14.1	27	
Toluene	2.52	0.0250	2.50		101	70-130	14.2	24	
o-Xylene	2.39	0.0250	2.50		95.8	70-130	14.1	27	
p,m-Xylene	4.76	0.0500	5.00		95.3	70-130	14.3	27	
Total Xylenes	7.16	0.0250	7.50		95.4	70-130	14.2	27	
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 1:35:05PM

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 (2243039-BLK1)

Prepared: 10/18/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

LCS (2243039-BS2)

Prepared: 10/18/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS Dup (2243039-BSD2)

Prepared: 10/18/22 Analyzed: 10/18/22

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130	1.57	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 1:35:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243031-BLK1) Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.5		50.0		105	50-200			

LCS (2243031-BS1) Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike (2243031-MS1) Source: E210093-09 Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			

Matrix Spike Dup (2243031-MSD1) Source: E210093-09 Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	38-132	1.60	20	
Surrogate: n-Nonane	51.2		50.0		102	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 1:35:05PM

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 (2243051-BLK1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	ND	20.0							
LCS (2243051-BS1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	255	20.0	250		102	90-110			
LCS Dup (2243051-BSD1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	255	20.0	250		102	90-110	0.0200	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 13:35

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Page ____ of ____

Client: Pima Environmental Services Project: 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 Attention: Address: City, State, Zip: Phone: Email: Pima Project #					Lab Use Only Lab WO# E210093 Job Number 01028-0057 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						
10:45	10/15/22	S	1	CS 102	11							X							
10:50				CS 103	12														
10:55				CS 104	13														
11:00				CS 105	14														
11:05				CS 106	15														
11:10				CS 107	16														
11:15				CS 108	17														
11:20				CS 109	18														
11:25				CS 110	19														
11:30				CS 111	20														
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											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: Y / N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 ____ of ____

Client: Pima Environmental Services Project: 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 Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-204</u>					Lab Use Only						TAT			EPA Program	
										Lab WO# <u>E2100913</u>		Job Number <u>01058-0007</u>		1D ☒	2D ☐	3D ☐	Standard ☐	CWA ☐	SDWA ☐	
										Analysis and Method						RCRA ☐		State		
										DRO/DRO by 8015 ☐	GRO/DRO by 8015 ☐	BTEX by 8021 ☐	VOC by 8260 ☐	Metals 6010 ☐	Chloride 300.0 ☐	BDOC NM ☐	BDOC TX ☐	NM ☒	CO ☐	UT ☐
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks				
11:35	10/5/22	S	1	CS112	1															
11:40				CS113	2															
11:45				CS114	3															
11:50				CS115	4															
11:55				CS116	5															
12:00				CS117	6															
12:05				CS118	7															
12:10				CS119	8															
12:15				CS120	9															
12:20				CS121	10															
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										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>[Signature]</u>		Date <u>10/17/22</u>	Time <u>3:00</u>	Relinquished by: (Signature) <u>[Signature]</u>		Date <u>10-17-22</u>	Time <u>3:00</u>	Received on ice: <u>Y</u> N												
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>10-18-22</u>	Time <u>4:15</u>	Received by: (Signature) <u>[Signature]</u>		Date <u>10/18/22</u>	Time <u>12:00</u>	T1 _____ T2 _____ T3 _____												
Relinquished by: (Signature) _____		Date <u>10-17-22</u>	Time _____	Received by: (Signature) _____		Date _____	Time _____	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: 10/19/2022 12:15:40PM

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:	10/18/22 12:00	Work Order ID:	E210093
Phone:	(575) 631-6977	Date Logged In:	10/17/22 17:04	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099. Project name not provided on 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.

Project Information

Chain of Custody

Page ____ of ____

10/19/22 CC

Client: Pima Environmental Services Project: <u>RIO Blanco 4 Fed Com 3</u> 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 Attention: Address: City, State, Zip: Phone: Email: Pima Project #			Lab Use Only Lab WO# <u>E210093</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				
										X				
										Remarks				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
10:45	10/15/22	S	1	CS 102	1	H						X	
10:50				CS 103	2	H							
10:55				CS 104	3	H							
11:00				CS 105	4	H							
11:05				CS 106	5	H							
11:10				CS 107	6	H							
11:15				CS 108	7	H							
11:20				CS 109	8	H							
11:25				CS 110	9	H							
11:30				CS 111	10	H							

Additional Instructions:

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

Relinquished by: (Signature) [Signature] Date 10/17/22 Time 3:00 Received by: (Signature) [Signature] Date 10-17-22 Time 3:00

Relinquished by: (Signature) [Signature] Date 10-17-22 Time 4:15 Received by: (Signature) [Signature] Date 10/18/22 Time 12:00

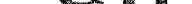
Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____

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

Page _____ of _____



Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rio Blanco 4 Fed Com 3

Work Order: E210094

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/20/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210094
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
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West Texas Midland/Odessa Area
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 16:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS122	E210094-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS123	E210094-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS124	E210094-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS125	E210094-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS126	E210094-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS127	E210094-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS128	E210094-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS129	E210094-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS130	E210094-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS131	E210094-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS132	E210094-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS133	E210094-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS134	E210094-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS135	E210094-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS136	E210094-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS137	E210094-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS138	E210094-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS139	E210094-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS140	E210094-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS141	E210094-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS122

E210094-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243040	
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.6 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243022	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243052	
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS123

E210094-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.2 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS124

E210094-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.1 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS125

E210094-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.7 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS126

E210094-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.2 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS127

E210094-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.9 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS128

E210094-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.1 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS129

E210094-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.4 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS130

E210094-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.7 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS131

E210094-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.0 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS132

E210094-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.5 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS133

E210094-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.4 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS134

E210094-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.5 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS135

E210094-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.2 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS136

E210094-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.1 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS137

E210094-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.2 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS138

E210094-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.7 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS139

E210094-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.3 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS140

E210094-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.7 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 4:33:23PM

CS141

E210094-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243040
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.5 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243022
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243052
Chloride	ND	20.0	1	10/18/22	10/20/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 4:33:23PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243040-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

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	8.11		8.00		101	70-130			

LCS (2243040-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	5.29	0.0250	5.00		106	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.2	70-130			
Toluene	4.58	0.0250	5.00		91.5	70-130			
o-Xylene	4.39	0.0250	5.00		87.8	70-130			
p,m-Xylene	8.76	0.0500	10.0		87.6	70-130			
Total Xylenes	13.1	0.0250	15.0		87.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			

LCS Dup (2243040-BSD1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	5.04	0.0250	5.00		101	70-130	4.80	20	
Ethylbenzene	4.12	0.0250	5.00		82.4	70-130	4.56	20	
Toluene	4.37	0.0250	5.00		87.3	70-130	4.70	20	
o-Xylene	4.19	0.0250	5.00		83.9	70-130	4.55	20	
p,m-Xylene	8.38	0.0500	10.0		83.8	70-130	4.42	20	
Total Xylenes	12.6	0.0250	15.0		83.8	70-130	4.46	20	
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 4:33:23PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243040-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.60		8.00		82.6	70-130			

LCS (2243040-BS2)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.9	70-130			

LCS Dup (2243040-BSD2)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.2	70-130	0.483	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.92		8.00		86.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 4:33:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243022-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.3		50.0		109	50-200			

LCS (2243022-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	56.1		50.0		112	50-200			

Matrix Spike (2243022-MS1)

Source: E210094-05

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

Matrix Spike Dup (2243022-MSD1)

Source: E210094-05

Prepared: 10/18/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	3.15	20	
Surrogate: n-Nonane	52.7		50.0		105	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 4:33:23PM

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 (2243052-BLK1)					Prepared: 10/18/22 Analyzed: 10/20/22				
Chloride	ND	20.0							
LCS (2243052-BS1)					Prepared: 10/18/22 Analyzed: 10/20/22				
Chloride	250	20.0	250		99.8	90-110			
LCS Dup (2243052-BSD1)					Prepared: 10/18/22 Analyzed: 10/20/22				
Chloride	248	20.0	250		99.2	90-110	0.579	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 16:33

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page ____ of ____

Client: <u>Pima Environmental Services</u> Project: <u>Rio Blanco</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 Energy</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>1-704</u>					Lab Use Only Lab WO# <u>E210094</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 ☐										
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						
12:25	10/15/22	S	1	CS122	1							X								
12:30				CS123	2															
12:35				CS124	3															
12:40				CS125	4															
12:45				CS126	5															
12:50				CS127	6															
12:55				CS128	7															
1:00				CS129	8															
1:05				CS130	9															
1:10				CS131	10															
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										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: ☒ Y / N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 ____ of ____

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Can 3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210094 Job Number 01058-007x 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	BGDOC NM	BGDOC TX								
1:15	10/5/22	S	1	CS132	11							X									
1:20				CS133	12																
1:25				CS134	13																
1:30				CS135	14																
1:35				CS136	15																
1:40				CS137	16																
1:45				CS138	17																
1:50				CS139	18																
1:55				CS140	19																
2:00				CS141	20																

Additional Instructions:

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

Relinquished by: (Signature) [Signature] Date 10/17/22 Time 3:00 Received by: (Signature) [Signature] Date 10/17/22 Time 3:00

Relinquished by: (Signature) [Signature] Date 10/18/22 Time 4:15 Received by: (Signature) [Signature] Date 10/18/22 Time 12:00

Relinquished by: (Signature) [Signature] Date 10-17-22 Time Received by: (Signature) Date Time

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: 10/19/2022 12:24:35PM

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:	10/18/22 12:00	Work Order ID:	E210094
Phone:	(575) 631-6977	Date Logged In:	10/17/22 17:06	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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: Rio Blanco 4 Fed Com 3

Work Order: E210095

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/20/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210095
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 17:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS142	E210095-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS143	E210095-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS144	E210095-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS145	E210095-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS146	E210095-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS147	E210095-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS148	E210095-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS149	E210095-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS150	E210095-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS151	E210095-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS152	E210095-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS153	E210095-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS154	E210095-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS155	E210095-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS156	E210095-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS157	E210095-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS158	E210095-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS159	E210095-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS160	E210095-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS161	E210095-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS142

E210095-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	118 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS143

E210095-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	115 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS144

E210095-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	114 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS145

E210095-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	113 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS146

E210095-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	117 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS147

E210095-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	113 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS148

E210095-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	115 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS149

E210095-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	112 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS150

E210095-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	115 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS151

E210095-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	101 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	101 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	116 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS152

E210095-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.1 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.1 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	112 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS153

E210095-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	10/18/22	10/19/22	
Surrogate: Toluene-d8		100 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	10/18/22	10/19/22	
Surrogate: Toluene-d8		100 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane		113 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS154

E210095-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	121 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS155

E210095-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.9 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.9 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	113 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS156

E210095-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.6 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.6 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	114 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS157

E210095-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.8 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.8 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	115 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS158

E210095-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	112 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS159

E210095-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.5 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	125 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS160

E210095-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	99.4 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	125 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:05:08PM

CS161

E210095-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.6 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243041
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/18/22	10/19/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		10/18/22	10/19/22	
Surrogate: Toluene-d8	98.6 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243057
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	129 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243053
Chloride	ND	20.0	1	10/18/22	10/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:05:08PM

Volatile Organic Compounds by EPA 8260B

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 (2243041-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

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	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2243041-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	2.48	0.0250	2.50		99.3	70-130			
Ethylbenzene	2.50	0.0250	2.50		100	70-130			
Toluene	2.46	0.0250	2.50		98.3	70-130			
o-Xylene	2.35	0.0250	2.50		94.0	70-130			
p,m-Xylene	4.69	0.0500	5.00		93.7	70-130			
Total Xylenes	7.04	0.0250	7.50		93.8	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS Dup (2243041-BSD1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	2.43	0.0250	2.50		97.1	70-130	2.28	23	
Ethylbenzene	2.41	0.0250	2.50		96.5	70-130	3.62	27	
Toluene	2.38	0.0250	2.50		95.2	70-130	3.18	24	
o-Xylene	2.26	0.0250	2.50		90.4	70-130	3.88	27	
p,m-Xylene	4.51	0.0500	5.00		90.1	70-130	3.95	27	
Total Xylenes	6.77	0.0250	7.50		90.2	70-130	3.93	27	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:05:08PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243041-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2243041-BS2)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

LCS Dup (2243041-BSD2)

Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0		107	70-130	3.13	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.4	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:05:08PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243057-BLK1)

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.6		50.0		105	50-200			

LCS (2243057-BS1)

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	225	25.0	250		90.1	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matrix Spike (2243057-MS1)

Source: E210095-12

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.5	38-132			
Surrogate: n-Nonane	55.6		50.0		111	50-200			

Matrix Spike Dup (2243057-MSD1)

Source: E210095-12

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.4	38-132	3.23	20	
Surrogate: n-Nonane	55.7		50.0		111	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:05:08PM

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 (2243053-BLK1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	ND	20.0							
LCS (2243053-BS1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	249	20.0	250		99.4	90-110			
LCS Dup (2243053-BSD1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	246	20.0	250		98.4	90-110	1.04	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 17:05

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page ____ of ____

Client: Pima Environmental Services Project: Rio Blanco Fuel Co 3 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 Attention: Address: City, State, Zip Phone: Email: Pima Project #					Lab Use Only Lab WO# E210095 Job Number 01658-0007 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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX								
2:05	10/15/17	S	1	CS 142	1							X									
2:10				CS 143	2																
2:15				CS 144	3																
2:20				CS 145	4																
2:25				CS 146	5																
2:30				CS 147	6																
2:35				CS 148	7																
2:40				CS 149	8																
2:45				CS 150	9																
2:50				CS 151	10																
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												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: ☒ Y ☐ N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 ____ of ____

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: Address: City, State, Zip Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210095 Job Number 01058-0007 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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX						
2:55	10/15/22	S	1	CS 152	11							X							
3:00				CS 153	12														
3:05				CS 154	13														
3:10				CS 155	14														
3:15				CS 156	15														
3:20				CS 157	16														
3:25				CS 158	17														
3:30				CS 159	18														
3:35				CS 160	19														
3:40				CS 161	20														
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											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) <i>Andrew Sanders</i>			Date <i>10-18-22</i>		Time <i>4:15</i>		Received by: (Signature) <i>Alvin</i>			Date <i>10/18/22</i>		Time <i>12:00</i>		Lab Use Only Received on ice: Y / N					
Relinquished by: (Signature) <i>Alvin</i>			Date <i>10-18-22</i>		Time <i>4:15</i>		Received by: (Signature) <i>Alvin</i>			Date <i>10/18/22</i>		Time <i>12:00</i>		T1 _____ T2 _____ T3 _____					
Relinquished by: (Signature)			Date		Time		Received by: (Signature)			Date		Time		AVG Temp °C <i>4</i>					
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: 10/19/2022 12:27:53PM

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:	10/18/22 12:00	Work Order ID:	E210095
Phone:	(575) 631-6977	Date Logged In:	10/17/22 17:06	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rio Blanco 4 Fed Com 3

Work Order: E210096

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/20/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210096
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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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labadmin@envirotech-inc.com

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Lynn Jarboe
Technical Representative/Client Services
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ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 15:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS162	E210096-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS163	E210096-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS164	E210096-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS165	E210096-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS166	E210096-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS167	E210096-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS168	E210096-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS169	E210096-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS170	E210096-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS171	E210096-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS172	E210096-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS173	E210096-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS174	E210096-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS175	E210096-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS176	E210096-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS177	E210096-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS178	E210096-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS179	E210096-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS180	E210096-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS181	E210096-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS162

E210096-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243042	
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243042	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.1 %	70-130		10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243058	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243054	
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS163

E210096-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.3 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS164

E210096-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.4 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS165

E210096-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/19/22	
Toluene	ND	0.0250	1	10/18/22	10/19/22	
o-Xylene	ND	0.0250	1	10/18/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.3 %	70-130	10/18/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS166

E210096-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.5 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS167

E210096-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.7 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS168

E210096-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS169

E210096-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.0 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS170

E210096-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.4 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS171

E210096-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.1 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		91.6 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS172

E210096-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.8 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS173

E210096-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS174

E210096-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.2 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS175

E210096-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		77.6 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS176

E210096-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.3 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS177

E210096-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.3 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS178

E210096-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.1 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS179

E210096-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		78.6 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS180

E210096-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.0 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 3:23:27PM

CS181

E210096-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243042
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.5 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243058
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243054
Chloride	ND	20.0	1	10/18/22	10/19/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 3:23:27PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243042-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

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	8.10		8.00		101	70-130			

LCS (2243042-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	5.92	0.0250	5.00		118	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.4	70-130			
Toluene	5.15	0.0250	5.00		103	70-130			
o-Xylene	4.97	0.0250	5.00		99.3	70-130			
p,m-Xylene	9.89	0.0500	10.0		98.9	70-130			
Total Xylenes	14.9	0.0250	15.0		99.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

LCS Dup (2243042-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	5.69	0.0250	5.00		114	70-130	4.11	20	
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130	4.41	20	
Toluene	4.94	0.0250	5.00		98.7	70-130	4.24	20	
o-Xylene	4.76	0.0250	5.00		95.3	70-130	4.16	20	
p,m-Xylene	9.47	0.0500	10.0		94.7	70-130	4.36	20	
Total Xylenes	14.2	0.0250	15.0		94.9	70-130	4.29	20	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 3:23:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243042-BLK1) Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			

LCS (2243042-BS2) Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.83		8.00		85.4	70-130			

LCS Dup (2243042-BSD2) Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130	11.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.76		8.00		84.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 3:23:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243058-BLK1)

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			

LCS (2243058-BS1)

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	259	25.0	250		103	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Matrix Spike (2243058-MS1)

Source: E210096-03

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.4	38-132			
Surrogate: n-Nonane	59.2		50.0		118	50-200			

Matrix Spike Dup (2243058-MSD1)

Source: E210096-03

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	179	25.0	250	ND	71.5	38-132	16.6	20	
Surrogate: n-Nonane	55.3		50.0		111	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 3:23:27PM

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 (2243054-BLK1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	ND	20.0							
LCS (2243054-BS1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	255	20.0	250		102	90-110			
LCS Dup (2243054-BSD1)					Prepared: 10/18/22 Analyzed: 10/19/22				
Chloride	256	20.0	250		103	90-110	0.374	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 15:23

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page ____ of ____

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: Deron Energy Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E2100910 Job Number 01058-0007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
										NM CO UT AZ TX X			State NM CO UT AZ TX						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks			
3:45	10/15/22	S	1	CS162	1														
3:50				CS163	2														
3:55				CS164	3														
4:00				CS165	4														
4:05				CS166	5														
4:10				CS167	6														
4:15				CS168	7														
4:20				CS169	8														
4:25				CS170	9														
4:30				CS171	10														
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										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) <i>[Signature]</i> Date 10/17/22 Time 3:00					Received by: (Signature) <i>[Signature]</i> Date 10-17-22 Time 3:00					Lab Use Only Received on ice: ☒ Y ☐ N									
Relinquished by: (Signature) <i>[Signature]</i> Date 10-18-22 Time 4:15					Received by: (Signature) <i>[Signature]</i> Date 10/18/22 Time 12:00					T1 T2 T3									
Relinquished by: (Signature) _____ Date _____ Time _____					Received by: (Signature) _____ Date _____ Time _____					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.																			


envirotech

Project Information

Chain of Custody

Page ____ of ____

Client: Pima Environmental Services Project: Rio Blanco Fed Com 3 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 Attention: Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E2100916 Job Number 010580007 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	BGDOC NM	BGDOC TX							
4:35	10/15/22	S	1	CS 172	11							X								
4:40				CS 173	12															
4:45				CS 174	13															
4:50				CS 175	14															
4:55				CS 176	15															
5:00				CS 177	16															
5:05				CS 178	17															
5:10				CS 179	18															
5:15				CS 180	19															
5:20				CS 181	20															
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												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: ☒ N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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: 10/19/2022 12:33:37PM

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:	10/18/22 12:00	Work Order ID:	E210096
Phone:	(575) 631-6977	Date Logged In:	10/17/22 17:08	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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: Rio Blanco 4 Fed Com 3

Work Order: E210097

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/20/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210097
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 17:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS182	E210097-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS183	E210097-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS184	E210097-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS185	E210097-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS186	E210097-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS187	E210097-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS188	E210097-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS189	E210097-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS190	E210097-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS191	E210097-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS192	E210097-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS193	E210097-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS194	E210097-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS195	E210097-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS196	E210097-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS197	E210097-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS198	E210097-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS199	E210097-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS200	E210097-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS201	E210097-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS182

E210097-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
<i>Surrogate: Bromofluorobenzene</i>	99.3 %	70-130		10/18/22	10/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		10/18/22	10/20/22	
<i>Surrogate: Toluene-d8</i>	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
<i>Surrogate: Bromofluorobenzene</i>	99.3 %	70-130		10/18/22	10/20/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		10/18/22	10/20/22	
<i>Surrogate: Toluene-d8</i>	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>	93.4 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS183

E210097-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	90.2 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS184

E210097-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	91.4 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS185

E210097-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	106 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	106 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	87.2 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS186

E210097-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	94.1 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS187

E210097-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	87.3 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS188

E210097-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	91.7 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS189

E210097-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
Surrogate: n-Nonane	84.0 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS190

E210097-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	84.4 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS191

E210097-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	105 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	81.6 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS192

E210097-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	103 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	83.7 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS193

E210097-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	104 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	79.8 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS194

E210097-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene		102 %	70-130	10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130	10/18/22	10/20/22	
Surrogate: Toluene-d8		99.5 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene		102 %	70-130	10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130	10/18/22	10/20/22	
Surrogate: Toluene-d8		99.5 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane		82.4 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS195

E210097-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	100 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	100 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	82.1 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS196

E210097-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	10/18/22	10/20/22	
Surrogate: Toluene-d8		101 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	10/18/22	10/20/22	
Surrogate: Toluene-d8		101 %	70-130	10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane		82.6 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS197

E210097-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	98.3 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	98.3 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	73.8 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS198

E210097-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	100 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	100 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	81.8 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS199

E210097-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	94.9 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	96.3 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	94.9 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	96.3 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	82.5 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS200

E210097-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	101 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	101 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	76.3 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:11:05PM

CS201

E210097-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Benzene	ND	0.0250	1	10/18/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/18/22	10/20/22	
Toluene	ND	0.0250	1	10/18/22	10/20/22	
o-Xylene	ND	0.0250	1	10/18/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/18/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243043
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/22	10/20/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/18/22	10/20/22	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		10/18/22	10/20/22	
Surrogate: Toluene-d8	98.9 %	70-130		10/18/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243059
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
Surrogate: n-Nonane	83.5 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243055
Chloride	ND	20.0	1	10/18/22	10/20/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:11:05PM

Volatile Organic Compounds by EPA 8260B

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 (2243043-BLK1)

Prepared: 10/18/22 Analyzed: 10/20/22

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	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2243043-BS1)

Prepared: 10/18/22 Analyzed: 10/20/22

Benzene	2.27	0.0250	2.50		90.8	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.1	70-130			
Toluene	2.24	0.0250	2.50		89.6	70-130			
o-Xylene	2.14	0.0250	2.50		85.6	70-130			
p,m-Xylene	4.25	0.0500	5.00		85.1	70-130			
Total Xylenes	6.40	0.0250	7.50		85.3	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS Dup (2243043-BSD1)

Prepared: 10/18/22 Analyzed: 10/20/22

Benzene	2.13	0.0250	2.50		85.1	70-130	6.41	23	
Ethylbenzene	2.12	0.0250	2.50		84.8	70-130	7.10	27	
Toluene	2.08	0.0250	2.50		83.0	70-130	7.58	24	
o-Xylene	2.00	0.0250	2.50		80.0	70-130	6.83	27	
p,m-Xylene	3.97	0.0500	5.00		79.4	70-130	6.91	27	
Total Xylenes	5.97	0.0250	7.50		79.6	70-130	6.88	27	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:11:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243043-BLK1)

Prepared: 10/18/22 Analyzed: 10/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2243043-BS2)

Prepared: 10/18/22 Analyzed: 10/20/22

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS Dup (2243043-BSD2)

Prepared: 10/18/22 Analyzed: 10/20/22

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130	7.72	20	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:11:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243059-BLK1)

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			

LCS (2243059-BS1)

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	206	25.0	250		82.3	38-132			
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Matrix Spike (2243059-MS1)

Source: E210097-16

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.7	38-132			
Surrogate: n-Nonane	38.7		50.0		77.4	50-200			

Matrix Spike Dup (2243059-MSD1)

Source: E210097-16

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	208	25.0	250	ND	83.4	38-132	3.30	20	
Surrogate: n-Nonane	39.5		50.0		79.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:11:05PM

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 (2243055-BLK1)					Prepared: 10/18/22 Analyzed: 10/20/22				
Chloride	ND	20.0							
LCS (2243055-BS1)					Prepared: 10/18/22 Analyzed: 10/20/22				
Chloride	258	20.0	250		103	90-110			
LCS Dup (2243055-BSD1)					Prepared: 10/18/22 Analyzed: 10/20/22				
Chloride	258	20.0	250		103	90-110	0.0434	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 17:11

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

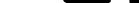
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page ____ of ____

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: Dexon Address: City, State, Zip Phone: Email: Pima Project # 1-204					Lab Use Only						TAT				EPA Program			
										Lab WO# E2100977		Job Number 01058-0007				1D	2D	3D	Standard	CWA	SDWA		
										Analysis and Method										RCRA		State	
										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	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks							
5:25	10/15/22	S	1	CS182	1																		
5:30				CS183	2																		
5:35				CS184	3																		
5:40				CS185	4																		
5:45				CS186	5																		
5:50				CS187	6																		
5:55				CS188	7																		
6:00				CS189	8																		
6:05				CS190	9																		
6:10				CS191	10																		
Additional Instructions:																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											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: ☒ Y ☐ N											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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: 10/19/2022 12:37:23PM

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:	10/18/22 12:00	Work Order ID:	E210097
Phone:	(575) 631-6977	Date Logged In:	10/17/22 17:09	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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: Rio Blanco 4 Fed Com 3

Work Order: E210098

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/20/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210098
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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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Alexa Michaels
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ljjarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 17:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS 202	E210098-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 203	E210098-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 204	E210098-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 205	E210098-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 206	E210098-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 207	E210098-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 208	E210098-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 209	E210098-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 210	E210098-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 211	E210098-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 212	E210098-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 213	E210098-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 214	E210098-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 215	E210098-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 216	E210098-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 217	E210098-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 218	E210098-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 219	E210098-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 220	E210098-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 221	E210098-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 202

E210098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243063	
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243063	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243060	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243066	
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 203

E210098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 204

E210098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 205

E210098-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 206

E210098-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 207

E210098-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 208

E210098-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.6 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		99.1 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 209

E210098-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/19/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	10/19/22	10/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 210

E210098-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 211

E210098-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 212

E210098-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 213

E210098-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 214

E210098-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 215

E210098-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 216

E210098-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 217

E210098-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 218

E210098-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.7 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 219

E210098-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 220

E210098-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.3 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:21:41PM

CS 221

E210098-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243063
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243060
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243066
Chloride	ND	20.0	1	10/19/22	10/20/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:21:41PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243063-BLK1)

Prepared: 10/19/22 Analyzed: 10/19/22

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	8.07		8.00		101	70-130			

LCS (2243063-BS1)

Prepared: 10/19/22 Analyzed: 10/20/22

Benzene	4.36	0.0250	5.00		87.1	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.3	70-130			
Toluene	4.68	0.0250	5.00		93.6	70-130			
o-Xylene	4.77	0.0250	5.00		95.4	70-130			
p,m-Xylene	9.47	0.0500	10.0		94.7	70-130			
Total Xylenes	14.2	0.0250	15.0		94.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			

LCS Dup (2243063-BS1)

Prepared: 10/19/22 Analyzed: 10/19/22

Benzene	4.87	0.0250	5.00		97.3	70-130	11.1	20	
Ethylbenzene	5.02	0.0250	5.00		100	70-130	7.38	20	
Toluene	5.09	0.0250	5.00		102	70-130	8.40	20	
o-Xylene	5.15	0.0250	5.00		103	70-130	7.64	20	
p,m-Xylene	10.2	0.0500	10.0		102	70-130	7.12	20	
Total Xylenes	15.3	0.0250	15.0		102	70-130	7.30	20	
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:21:41PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243063-BLK1)

Prepared: 10/19/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			

LCS (2243063-BS2)

Prepared: 10/19/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			

LCS Dup (2243063-BSD2)

Prepared: 10/19/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130	8.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:21:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243060-BLK1)

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	51.0		50.0		102	50-200			

LCS (2243060-BS1)

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	219	25.0	250		87.5	38-132			
Surrogate: <i>n</i> -Nonane	55.2		50.0		110	50-200			

Matrix Spike (2243060-MS1)

Source: E210098-19

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.7	38-132			
Surrogate: <i>n</i> -Nonane	55.5		50.0		111	50-200			

Matrix Spike Dup (2243060-MSD1)

Source: E210098-19

Prepared: 10/19/22 Analyzed: 10/19/22

Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.3	38-132	1.74	20	
Surrogate: <i>n</i> -Nonane	55.3		50.0		111	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:21:41PM

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 (2243066-BLK1)					Prepared: 10/19/22 Analyzed: 10/19/22				
Chloride	ND	20.0							
LCS (2243066-BS1)					Prepared: 10/19/22 Analyzed: 10/20/22				
Chloride	265	20.0	250		106	90-110			
LCS Dup (2243066-BSD1)					Prepared: 10/19/22 Analyzed: 10/20/22				
Chloride	264	20.0	250		105	90-110	0.624	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 17:21

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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





Project Information

Chain of Custody

Page ____ of ____

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 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 Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-204</u>					Lab Use Only Lab WO# <u>E210098</u> Job Number <u>010580001</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks														
7:55	10/15/22	S	1	CS 212	11	X														
8:00				CS 213	12															
8:05				CS 214	13															
8:10				CS 215	14															
8:15				CS 216	15															
8:20				CS 217	16															
8:25				CS 218	17															
8:30				CS 219	18															
8:35				CS 220	19															
8:40				CS 221	20															
Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>10/17/22</u> Time <u>3:00</u> Received by: (Signature) <u>[Signature]</u> Date <u>10/17/22</u> Time <u>3:00</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>10/18/22</u> Time <u>4:15</u> Received by: (Signature) <u>[Signature]</u> Date <u>10/18/22</u> Time <u>12:00</u> Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____																				
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: 10/19/2022 12:40:36PM

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:	10/18/22 12:00	Work Order ID:	E210098
Phone:	(575) 631-6977	Date Logged In:	10/17/22 17:25	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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: Rio Blanco 4 Fed Com 3

Work Order: E210099

Job Number: 01058-0007

Received: 10/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/20/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Rio Blanco 4 Fed Com 3
Workorder: E210099
Date Received: 10/18/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2022 12:00:00PM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 17:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS 222	E210099-01A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 223	E210099-02A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 224	E210099-03A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 225	E210099-04A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 226	E210099-05A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 227	E210099-06A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 228	E210099-07A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 229	E210099-08A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 230	E210099-09A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 231	E210099-10A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 232	E210099-11A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 233	E210099-12A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 234	E210099-13A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 235	E210099-14A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 236	E210099-15A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 237	E210099-16A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 238	E210099-17A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 239	E210099-18A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 240	E210099-19A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 241	E210099-20A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 242	E210099-21A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
CS 243	E210099-22A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
BG1	E210099-23A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
BG2	E210099-24A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
BG3	E210099-25A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
BG4	E210099-26A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.
BG5	E210099-27A	Soil	10/15/22	10/18/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 222

E210099-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243064	
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2243064	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.4 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2243061	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
	98.7 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2243067	
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 223

E210099-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.6 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 224

E210099-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.6 %	70-130		10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 225

E210099-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.1 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		95.9 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 226

E210099-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.9 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 227

E210099-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.1 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		98.4 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 228

E210099-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 229

E210099-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.5 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 230

E210099-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.2 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		94.6 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 231

E210099-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.2 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 232

E210099-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		98.5 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 233

E210099-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.4 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		97.3 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 234

E210099-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 235

E210099-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		96.6 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 236

E210099-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 237

E210099-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 238

E210099-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 239

E210099-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 240

E210099-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 241

E210099-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Benzene	ND	0.0250	1	10/19/22	10/20/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/20/22	
Toluene	ND	0.0250	1	10/19/22	10/20/22	
o-Xylene	ND	0.0250	1	10/19/22	10/20/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/20/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243064
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.7 %	70-130	10/19/22	10/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243061
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243067
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 242

E210099-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243068
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

CS 243

E210099-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243068
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

BG1

E210099-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.6 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		95.2 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243068
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

BG2

E210099-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.9 %	70-130	10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243068
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

BG3

E210099-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243068
Chloride	ND	20.0	1	10/19/22	10/19/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

BG4

E210099-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243068
Chloride	ND	20.0	1	10/19/22	10/20/22	



Sample Data

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

Project Name: Rio Blanco 4 Fed Com 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/20/2022 5:19:01PM

BG5

E210099-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Benzene	ND	0.0250	1	10/19/22	10/19/22	
Ethylbenzene	ND	0.0250	1	10/19/22	10/19/22	
Toluene	ND	0.0250	1	10/19/22	10/19/22	
o-Xylene	ND	0.0250	1	10/19/22	10/19/22	
p,m-Xylene	ND	0.0500	1	10/19/22	10/19/22	
Total Xylenes	ND	0.0250	1	10/19/22	10/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2243038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/22	10/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		10/19/22	10/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243062
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/22	10/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/22	10/20/22	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		10/19/22	10/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243068
Chloride	ND	20.0	1	10/19/22	10/20/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:19:01PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243038-BLK1)

Prepared: 10/18/22 Analyzed: 10/19/22

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	8.21		8.00		103	70-130			

LCS (2243038-BS1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.41	0.0250	5.00		108	70-130			
Toluene	5.54	0.0250	5.00		111	70-130			
o-Xylene	5.57	0.0250	5.00		111	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			

LCS Dup (2243038-BSD1)

Prepared: 10/18/22 Analyzed: 10/19/22

Benzene	5.04	0.0250	5.00		101	70-130	5.98	20	
Ethylbenzene	5.12	0.0250	5.00		102	70-130	5.57	20	
Toluene	5.22	0.0250	5.00		104	70-130	5.84	20	
o-Xylene	5.28	0.0250	5.00		106	70-130	5.36	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	5.42	20	
Total Xylenes	15.7	0.0250	15.0		104	70-130	5.40	20	
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:19:01PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243064-BLK1)

Prepared: 10/19/22 Analyzed: 10/20/22

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	8.20		8.00		102	70-130			

LCS (2243064-BS1)

Prepared: 10/19/22 Analyzed: 10/20/22

Benzene	5.56	0.0250	5.00		111	70-130			
Ethylbenzene	4.60	0.0250	5.00		91.9	70-130			
Toluene	4.86	0.0250	5.00		97.1	70-130			
o-Xylene	4.72	0.0250	5.00		94.4	70-130			
p,m-Xylene	9.34	0.0500	10.0		93.4	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.44		8.00		105	70-130			

LCS Dup (2243064-BS1)

Prepared: 10/19/22 Analyzed: 10/20/22

Benzene	4.84	0.0250	5.00		96.7	70-130	14.0	20	
Ethylbenzene	3.98	0.0250	5.00		79.7	70-130	14.3	20	
Toluene	4.21	0.0250	5.00		84.2	70-130	14.3	20	
o-Xylene	4.07	0.0250	5.00		81.4	70-130	14.7	20	
p,m-Xylene	8.11	0.0500	10.0		81.1	70-130	14.1	20	
Total Xylenes	12.2	0.0250	15.0		81.2	70-130	14.3	20	
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported: 10/20/2022 5:19:01PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243038-BLK1) Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS (2243038-BS2) Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			

LCS Dup (2243038-BSD2) Prepared: 10/18/22 Analyzed: 10/19/22

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130	2.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported: 10/20/2022 5:19:01PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243064-BLK1) Prepared: 10/19/22 Analyzed: 10/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.46		8.00		80.7	70-130			

LCS (2243064-BS2) Prepared: 10/19/22 Analyzed: 10/20/22

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.92		8.00		86.4	70-130			

LCS Dup (2243064-BSD2) Prepared: 10/19/22 Analyzed: 10/20/22

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.5	70-130	1.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.85		8.00		85.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:19:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243061-BLK1)

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	50-200			

LCS (2243061-BS1)

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			

Matrix Spike (2243061-MS1)

Source: E210099-11

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	47.4		50.0		94.7	50-200			

Matrix Spike Dup (2243061-MSD1)

Source: E210099-11

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	3.45	20	
Surrogate: n-Nonane	51.1		50.0		102	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:19:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243062-BLK1)

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.7		50.0		117	50-200			

LCS (2243062-BS1)

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	230	25.0	250		92.0	38-132			
Surrogate: n-Nonane	58.2		50.0		116	50-200			

Matrix Spike (2243062-MS1)

Source: E210102-01

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	38-132			
Surrogate: n-Nonane	54.8		50.0		110	50-200			

Matrix Spike Dup (2243062-MSD1)

Source: E210102-01

Prepared: 10/19/22 Analyzed: 10/20/22

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.5	38-132	1.66	20	
Surrogate: n-Nonane	54.2		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:19:01PM

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 (2243067-BLK1)					Prepared: 10/19/22 Analyzed: 10/19/22				
Chloride	ND	20.0							
LCS (2243067-BS1)					Prepared: 10/19/22 Analyzed: 10/19/22				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2243067-BSD1)					Prepared: 10/19/22 Analyzed: 10/19/22				
Chloride	253	20.0	250		101	90-110	0.666	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/2022 5:19:01PM

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 (2243068-BLK1)					Prepared: 10/19/22 Analyzed: 10/19/22				
Chloride	ND	20.0							
LCS (2243068-BS1)					Prepared: 10/19/22 Analyzed: 10/19/22				
Chloride	268	20.0	250		107	90-110			
LCS Dup (2243068-BSD1)					Prepared: 10/19/22 Analyzed: 10/19/22				
Chloride	268	20.0	250		107	90-110	0.176	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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/20/22 17:19

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page ____ of ____

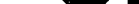
Client: Pima Environmental Services Project: Rio Blanco 4 Fed Com 3 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM. 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210099 Job Number 010580007 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					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 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
8:45	10/15/22	S	1	CS 222	1							X								
8:50				CS 223	2															
8:55				CS 224	3															
9:00				CS 225	4															
9:05				CS 226	5															
9:10				CS 227	6															
9:15				CS 228	7															
9:20				CS 229	8															
9:25				CS 230	9															
9:30				CS 231	10															
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										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: ☒ N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3 4								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 ____ of ____

Client: Pima Environmental Services Project: Rio Blanco 4 Fed Corn 3 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 Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-204					Lab Use Only Lab WO# E210099 Job Number 00580007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
9:35	10/15/22	S	1	CS 232	11							X								
9:40				CS 233	12															
9:45				CS 234	13															
9:50				CS 235	14															
9:55				CS 236	15															
10:00				CS 237	16															
10:05				CS 238	17															
10:10				CS 239	18															
10:15				CS 240	19															
10:20				CS 241	20															
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												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: ☒ Y ☐ N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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.																				



Envirotech Analytical Laboratory

Printed: 10/19/2022 12:43:35PM

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:	10/18/22 12:00	Work Order ID:	E210099
Phone:	(575) 631-6977	Date Logged In:	10/17/22 17:29	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	10/18/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
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: UPSComments/Resolution

Project Rio Blanco 4 Fed Com 3 has been separated into 16 reports due to sample volume. Workorders are E210084 through E210099.

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.

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

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 202153

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 202153
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	5/2/2023