



REMEDIATION CLOSURE REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

FEBRUARY 13, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



NMOCD District 2
811 S First St
Artesia, NM 88210

RE: Remediation Closure Report

LOCATION: Diamond PWU 22 #001H

WELL API #: 30-015-38334

GPS: 32.6519089, -103.0702057

INCIDENT LOCATION: D-22-T19S-R29E

COUNTY: Eddy

NMOCD REF. NO. nAB1721657722

Pima Environmental Services LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to prepare this Remediation Closure Report for a produced water release that occurred at the Diamond PWU 22 #001H (Diamond). This incident was assigned Incident ID nAB1721657722 by the New Mexico Oil Conservation Division (NMOCD).

RELEASE INFORMATION

nAB1721657722: On July 14, 2017, the lease operator was making his normal rounds when he arrived at the location there was standing fluid on the ground and visible tire tracks exiting the area. An unknown party dumped an unknown amount of produced water on location. The Illegal dump was in the middle of the location.

SITE CHARACTERIZATION

The Diamond is located approximately twelve (12) miles southwest of Loco Hills, NM. This spill site is in Unit D, Section 22, Township 19S, Range 29E, Latitude 32.6519089, Longitude -104.0702057, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region (Middle to lower Pleistocene). The soil in this area is made up of Kimbrough-Stegall loams, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a high potential for karst geology to be present around the Diamond (Figure 3). Reference Figure 2 for a Topographic Map.

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 60 feet below grade surface (bgs). This information is provided by CP-01932-POD1 which is located approximately 1.2 miles west of the Diamond and was drilled on December 15, 2022. According to the United States Geological Survey, USGS 323900104052901 19S.29E.20.24111 RATLSNAKE puts the nearest groundwater at 58.95 feet bgs, with the last gauge being conducted in 1983. This well resides approximately 1.1 miles west of the Diamond. The closest surface water body is an unnamed pond located approximately 5.61 miles to the southeast of this location. See Appendix A for referenced Water Surveys and Water-Related Maps.

According to the U.S. Fish and Wildlife Service National Wetlands Inventory, a Freshwater Emergent Wetland lies approximately 1.21 miles to the west of the Diamond. According to a FEMA search for flood hazard information, the Diamond is in Zone X – Area of Minimal Flood Hazard.

Closure criteria for releases at the Diamond are classified under the less than 50-foot depth to ground water section of Table 1 19.15.29.12 NMAC due to the high karst zone that it resides in.

PREVIOUS ACTIVITY & DENIED CLOSURE REPORTS

On August 4, 2021, a remediation closure report was submitted, written by Talon LPE, addressing three (3) different incidents; nAB1601139679, nAB1721657722, and nAB1914250102 (OCD Online: Permitting – Application ID 40016 & 40023). Incident ID nAB1601139679 was recently addressed in a separate closure report and was approved by the NMOCD



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

Diamond PWU 22 #001H | nAB1721657722

Page 2 | 4

on September 30, 2024 (OCD Online: Permitting – Application ID 385501).

Incident ID nAB1721657722 received a denial of the Talon closure report on September 21, 2022, citing: "Initial C-141 states 'Illegal dump was located in the middle of location. The OCD was notified of the incident. An environmental contractor will be contacted to assist with the delineation and remediation'. Delineation/assessment was not completed for the middle of the pad. 2RP-4318 has been closed. Please refer to incident #NAB1721657722 for all future communications. Please submit a report through the OCD Permitting website by 12/23/2022."

Incident ID nAB1914250102 received a denial of the Talon closure report on November 16, 2021, citing: "The closure report is denied. All sample points, except the requested sample points for deferral, must have contaminated soil removed before a deferral request is uploaded to the payment portal. The only remediation that should remain are the sample points that are being requested for deferral. Use a hydrovac/shovel to safely remove the contaminated soil around equipment and pipelines. Only sample points that require a major facility deconstruction will be available for deferral. Most importantly, specify exactly which sample points you are asking for a deferral on and the reason the contaminants can't be removed. Please make sure the closure page is signed before the updated report is loaded back onto the payment portal."

On June 19, 2023, a remediation closure report was submitted, written by Pima Environmental, addressing two (2) different incidents; nAB1721657722 and nAB1914250102 (OCD Online: Permitting – Application ID 229882 & 229887).

Incident nAB1721657722 received a denial of the Pima closure report on July 14, 2023, citing: "Areas of contamination identified in the rejected application ID 40016 will need to be addressed. Numerous samples fall outside of the footprints of the excavations detailed in this report. Submit a complete report through the OCD permitting website by 10/14/2023."

Incident nAB1914250102 received a denial of the Pima closure report on November 15, 2023, citing: "Closure denied. Areas of contamination identified in the rejected application ID 40023 will need to be addressed. Numerous samples fall outside of the footprints of the excavations detailed in this report. Devon has until 1/14/2023 to submit a complete closure report."

Comparing all sample points and impacted areas assessed and/or remediated by Talon in 2020 and 2021, then by Pima in 2023, research shows that 7 different areas were not at any point addressed. These areas total approximately 1,400 square feet and calculate approximately 260 cubic yards of impacted soil. Due to this area being in a high karst potential zone, the regulatory limits for contamination here is subject to the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC.

On September 25, 2024, Pima personnel along with the Devon construction department mobilized to the site to begin excavating the remaining 7 impacted areas. A 200-square-foot area surrounding the original sample point S-2 was excavated to a depth of 2' bgs. Approximately 15 cubic yards of soil were removed from this area. A 200-square-foot area surrounding the original sample point S-5 was excavated to a depth of 9' bgs. Approximately 67 cubic yards of soil were removed from this area. A 200-square-foot area surrounding the original sample point S-8 was excavated to a depth of 6' bgs. Approximately 44.5 cubic yards of soil were removed from this area. A 200-square-foot area surrounding the original sample point S-10 was excavated to a depth of 6' bgs. Approximately 44.5 cubic yards of soil were removed from this area. A 200-square-foot area surrounding the original sample point S-11 was excavated to a depth of 10' bgs. Approximately 74 cubic yards of soil were removed from this area. A 200-square-foot area surrounding the original sample point S-12 was excavated to a depth of 1' bgs. Approximately 7.5 cubic yards of soil were removed from this area. A 200-square-foot area surrounding the original sample point S-14 was excavated to depths of 1' bgs. Approximately 7.5 cubic yards of soil were removed from this area. Reference Figure 4 for an Excavation Map.

On October 1, 2024, after Devon submitted a 48-hour notification for confirmation sampling, Pima personnel returned to the site to collect 5-point composite samples from the bases and walls of the excavated areas. A total of 20 composite samples were collected with 7 representing base samples and 13 representing wall samples. These samples were put on ice, jarred, then delivered to Envirotech Analytical Laboratories to be analyzed for all constituents listed in Table 1 19.15.29.12 NMAC.

Based on these laboratory reports, the sample results from sample points CW9 and CW10, representing the walls of the CS5 excavation, are still over the regulatory limits per the less than 50-foot depth to groundwater section of Table 1. All other sample results are under regulatory limits.



On October 4, 2024, Devon and Pima returned to the site to extend the north, west, and south walls of the CS5 excavation an additional 6 inches laterally to remove the still existing contaminated soil. Approximately 8 cubic yards was removed from these 3 walls.

On October 8, 2024, after Devon submitted another 48-hour notification for confirmation sampling, Pima personnel returned to the site to recollect 5-point confirmation samples from the CW9, CW10, and CW11 sample point areas. The sample result from CW11 was previously under the regulatory limit, however, one of its subsamples was from a wall that was extended. All samples were put on ice, jarred, then delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1. The results of all sampling events can be found in the Data Tables in Figure 5. A Previous Confirmation Sample Map can be referenced in Figure 6. Complete laboratory reports can be found in Appendix E.

REMEDiation CLOSURE REPORT DENIED

Reasons for denial associated with nAB1721657722 highlighted below:

(10/29/2024), The report authored by Talon and submitted 8/4/2021 and subsequently rejected by OCD on 11/16/2021, requests a deferral of the contamination which is contradictory to the closure request submitted under this application. Due to this discrepancy, OCD will not accept previously rejected reports included as an attachment as a comprehensive report for all remedial activities.

(10/29/2024), Clarify if P3, 65CS and 66CS represent the former location of S-6. If so, this excavation was only 1 ft deep and does not address the contamination found at 0-14 feet and 18 feet that was discovered during the 2020 sampling event.

(10/29/2024), Clarify if P4, 63CS, and 64CS represents the former location of B1.

(10/29/2024), Clarify if P2, 67CS, and 68CS represent additional contamination found during assessment activities.

(10/29/2024), Clarify if former sampling location S-12 was encompassed by the 1.5-foot excavation completed by Pima in 2023.

(10/29/2024), Clarify if former sampling location S-13 was encompassed by the 3.5-foot excavation completed by 3.5-foot excavation completed by Pima in 2023. If so, the contamination found in 2020 at 4 feet and 8 feet must be addressed.

(10/29/2024), A complete and accurate report must be submitted through the OCD Permitting website by 11/29/2024. Failure to submit a complete and accurate report by 11/29/2024 may result in compliance and enforcement penalties pursuant to 19.15.5 NMAC.

Reason 3: P4, 63CS and 64CS do not represent the former location B1. This was additional contamination found during re-assessment activities. The contamination found in 2021 at sample point B1 will be addressed accordingly.

Reason 5: S-12 was in fact encompassed by the 1.5-foot excavation completed by Pima in 2023.

Reason 6: S-13 was in fact encompassed by the 3.5-foot excavation completed by Pima in 2023. The contamination found in 2020 at 4 feet and 8 feet at this sample point will be addressed and a new closure report will be drafted after confirming the contamination has been successfully removed.

Reasons 2 and 4 will be addressed in a separate remediation plan report for incident nAB1914250102.

ADDITIONAL DELINEATION & REMEDIATION ACTIVITIES

On January 29, 2025, the Devon construction department and Pima Environmental mobilized personnel and equipment to the site to collect investigative samples at 1' increments down to 10' bgs to locate possible contamination. The area of concern has been measured out to be 498 square feet and includes the previous sample point S-13 and previous borehole B-1. A total of 7 sample points were marked, and a test trench was excavated from each via backhoe. Three sample points within the area and 4 sample points around the edges of the area, were dug out to a depth of 10' bgs. Samples were collected and immediately put on ice, then 6 samples from each sample point were prepared and delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. The sample results from this sampling event can be found in the Data Tables which are included in Figure 5. Complete Laboratory Reports can be referenced in Appendix E. For reference, the Sampling Map can be found in Figure 7.



Base on the laboratory results reported for this investigative sampling event, the contamination levels represented in all sample points are under the regulatory limits according to the closure criteria outlined in the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Chlorides in this area have successfully been removed with previous remediation activities, and/or have attenuated to acceptable levels as per the regulatory requirements of previously stated closure criteria. Devon is also aware of and understands that reclamation of this pad area once it is no longer needed for production or subsequent drilling operations will require an approved reclamation plan report addressing a minimum of four feet of non-waste containing earthen material. Followed by a revegetation plan report once the site has reached the required vegetative status.

Should you have any questions or need additional information, please feel free to contact:
Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@devon.com.
Pima Environmental – Tom Bynum at 575-964-7740 or tom@pimaoil.com.

ATTACHMENTS

FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Excavation Map
- 5- Data Tables
- 6- Previous Confirmation Sample Map
- 7- Sampling Map

APPENDICES:

- Appendix A – Water Surveys & Water-Related Maps
- Appendix B – Soil Survey & Geological Data
- Appendix C – Initial Form C-141 & 48-Hour Notifications
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Excavation Map
- 5- Data Tables
- 6- Previous Confirmation Sample Map
- 7- Sampling Map



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

Diamond PWU 22 #001H | nAB1721657722

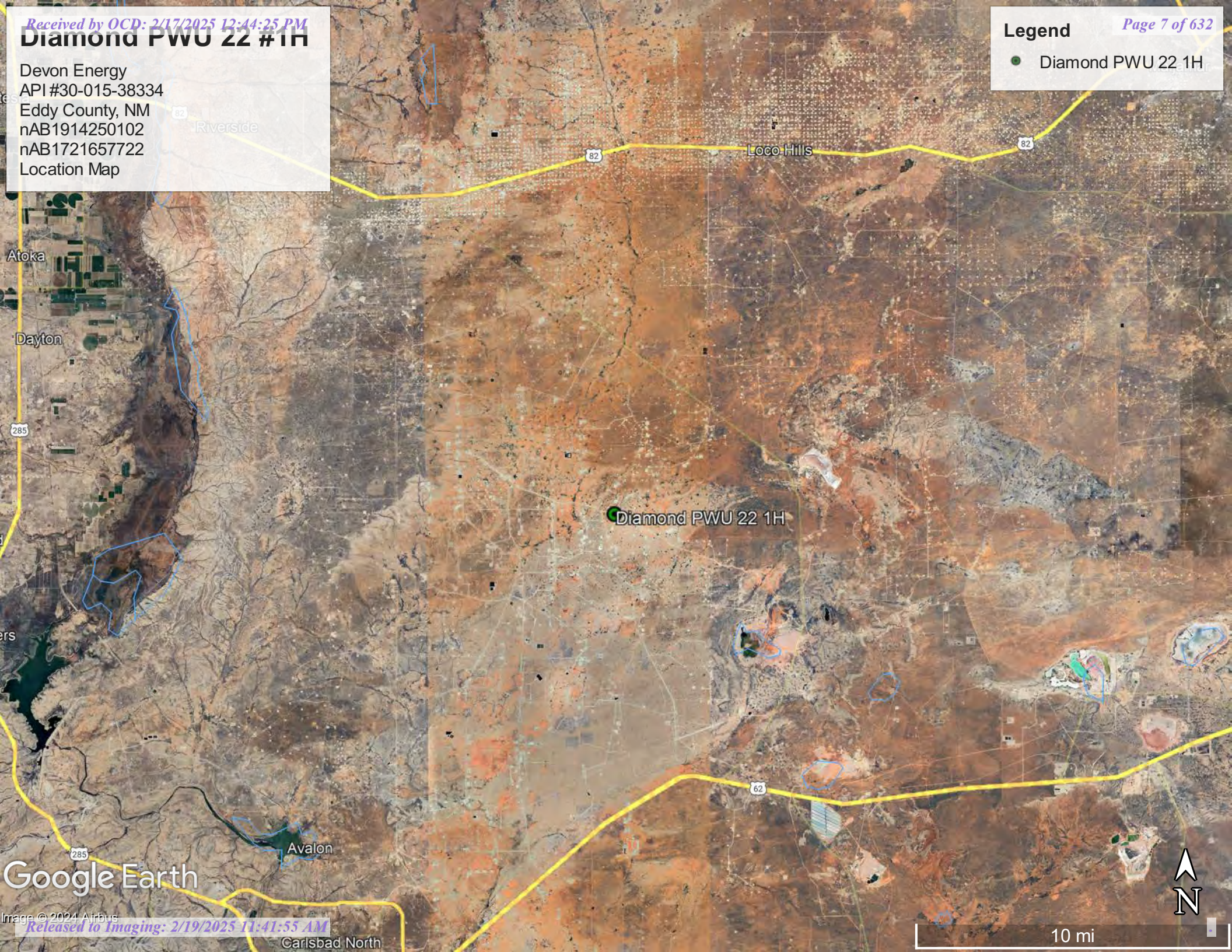
DEVON ENERGY PRODUCTION, LP.

Diamond PWU 22 #1H

Devon Energy
API #30-015-38334
Eddy County, NM
nAB1914250102
nAB1721657722
Location Map

Legend

- Diamond PWU 22 1H



Google Earth

Carlsbad North

10 mi

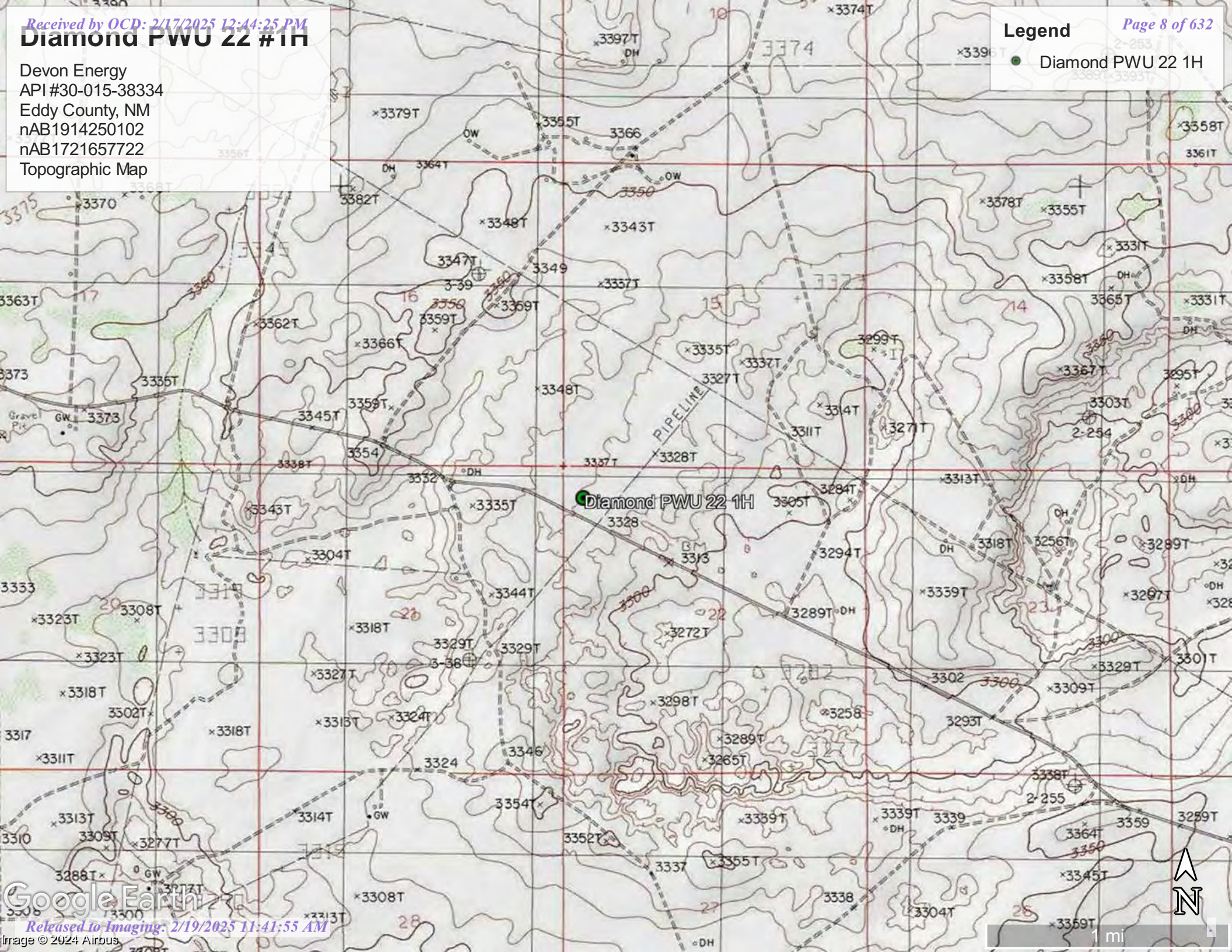
Diamond PWU 22 #1H

Devon Energy
API #30-015-38334
Eddy County, NM
nAB1914250102
nAB1721657722
Topographic Map

Page 8 of 632

Legend

Diamond PWU 22 1H



Diamond PWU 22 #1H

Devon Energy
API #30-015-38334
Eddy County, NM
nAB1914250102
nAB1721657722
Karst Map

Legend

- High Karst
- Low Karst
- Medium Karst

Diamond PWU 22 1H

Google Earth



2 mi

Diamond PWU 22 #1H

Devon Energy
API #30-015-38334
Eddy County, NM
nAB1914250102
nAB1721657722
Excavation Map
Based on the Original Talon Site Map

Legend

- 1' Excavation - 400 sqft
- 10' Excavation - 200 sqft
- 2' Excavation - 200 sqft
- 6' Excavation - 400 sqft
- 9' Excavation - 200 sqft
- Original Samples
- Underground Flowlines



Table 1 : Soil Sample Analysis

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-1	0-1	4/29/2020	ND	ND	ND	ND	ND	-	ND
S-2	0-1	4/29/2020	ND	ND	ND	ND	ND	-	1000
	1-2	9/16/2020	NT	NT	NT	NT	NT	-	ND
	2-3	9/16/2020	NT	NT	NT	NT	NT	-	ND
	3-4	9/16/2020	NT	NT	NT	NT	NT	-	ND
S-3	0-1	4/29/2020	ND	ND	ND	ND	ND	-	130
S-4	0-1	4/29/2020	ND	ND	ND	ND	ND	-	ND
S-5	0-1	4/29/2020	ND	ND	ND	300	620	920.0	65000
	1-2	9/16/2020	NT	NT	ND	ND	ND	-	1800
	2-3	9/16/2020	NT	NT	ND	ND	ND	-	100
	3-4	9/16/2020	NT	NT	ND	ND	ND	-	ND
	4-5	9/16/2020	NT	NT	ND	ND	ND	-	1000
	5-6	9/16/2020	NT	NT	ND	ND	ND	-	140
	6-7	9/16/2020	NT	NT	NT	NT	NT	-	150
	7-8	9/16/2020	NT	NT	NT	NT	NT	-	320
	8-9	9/16/2020	NT	NT	NT	NT	NT	-	1400
	9-10	9/16/2020	NT	NT	NT	NT	NT	-	330
	10-11	9/16/2020	NT	NT	NT	NT	NT	-	83
	11-12	9/16/2020	NT	NT	NT	NT	NT	-	78

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	CI (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-6	0-1	4/29/2020	ND	ND	ND	ND	ND	-	14000
	1-2	9/16/2020	NT	NT	NT	NT	NT	-	5100
	2-3	9/16/2020	NT	NT	NT	NT	NT	-	5200
	3-4	9/16/2020	NT	NT	NT	NT	NT	-	6100
	4-5	9/16/2020	NT	NT	NT	NT	NT	-	7000
	5-6	9/16/2020	NT	NT	NT	NT	NT	-	7500
	6-7	9/16/2020	NT	NT	NT	NT	NT	-	7200
	7-8	9/16/2020	NT	NT	NT	NT	NT	-	8500
	10	10/9/2020	NT	NT	NT	NT	NT	-	7000
	12	10/9/2020	NT	NT	NT	NT	NT	-	4000
	14	10/9/2020	NT	NT	NT	NT	NT	-	1600
	16	10/9/2020	NT	NT	NT	NT	NT	-	550
	18	10/9/2020	NT	NT	NT	NT	NT	-	1200
	20	10/9/2020	NT	NT	NT	NT	NT	-	100
S-7	0-1	4/29/2020	ND	ND	ND	ND	ND	-	360
S-8	0-1	4/29/2020	ND	ND	ND	14	52	66.0	9800
	1-2	9/16/2020	NT	NT	ND	ND	ND	-	1900
	2-3	9/16/2020	NT	NT	ND	ND	ND	-	5400
	3-4	9/16/2020	NT	NT	NT	NT	NT	-	5200
	4-5	9/16/2020	NT	NT	NT	NT	NT	-	3700
	5-6	9/16/2020	NT	NT	NT	NT	NT	-	990
	6-7	9/16/2020	NT	NT	NT	NT	NT	-	79
	7-8	9/16/2020	NT	NT	NT	NT	NT	-	ND
S-9	0-1	4/29/2020	ND	ND	ND	25	57	82.0	69
S-10	0-1	4/29/2020	ND	ND	ND	4800	5000	9800.0	1600
	1-2	9/16/2020	NT	NT	ND	ND	ND	-	220
	2-3	9/16/2020	NT	NT	ND	ND	ND	-	74
	3-4	9/16/2020	NT	NT	ND	ND	ND	-	ND
	4-5	9/16/2020	NT	NT	ND	1200	1900	3100.0	400
	5-6	9/16/2020	NT	NT	ND	630	1000	1630.0	200
	6-7	9/16/2020	NT	NT	ND	28	ND	28.0	61
	7-8	9/16/2020	NT	NT	ND	ND	ND	-	ND

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-11	0-1	10/21/2020	ND	ND	ND	73	65	138.0	7400
	2	11/19/2020	ND	ND	ND	ND	ND	-	3000
	3	11/19/2020	ND	ND	ND	33	58	91.0	2100
	4	11/19/2020	ND	ND	ND	ND	ND	-	99
	6	11/19/2020	NT	NT	NT	NT	NT	-	97
	8	11/19/2020	NT	NT	NT	NT	NT	-	4100
	10	11/19/2020	NT	NT	NT	NT	NT	-	1400
	12 R	11/19/2020	NT	NT	NT	NT	NT	-	150
S-12	0-1	10/21/2020	ND	ND	ND	ND	ND	-	20000
	2	11/19/2020	ND	ND	ND	ND	ND	-	ND
	3	11/19/2020	ND	ND	ND	ND	ND	-	200
	4	11/19/2020	ND	ND	ND	ND	ND	-	290
	6	11/19/2020	NT	NT	NT	NT	NT	-	300
	8	11/19/2020	NT	NT	NT	NT	NT	-	240
	10 R	11/19/2020	NT	NT	NT	NT	NT	-	170
S-13	0-1	10/21/2020	ND	ND	ND	ND	ND	-	29000
	2	11/19/2020	ND	ND	ND	ND	ND	-	680
	3	11/19/2020	ND	ND	ND	ND	ND	-	81
	4	11/19/2020	ND	ND	ND	17	78	95.0	9200
	6	11/19/2020	NT	NT	NT	NT	NT	-	ND
	8	11/19/2020	NT	NT	NT	NT	NT	-	4800
	10 R	11/19/2020	NT	NT	NT	NT	NT	-	ND
S-14	0-1	10/21/2020	ND	ND	ND	ND	ND	-	1600
	1	11/20/2021	ND	ND	ND	ND	ND	-	150
	2	11/20/2021	ND	ND	ND	ND	ND	-	65
	3	11/20/2021	ND	ND	ND	ND	ND	-	190
	4	11/20/2021	ND	ND	ND	ND	ND	-	ND

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-15	0-1	10/21/2020	ND	ND	ND	ND	ND	-	ND
S-16	0-1	10/21/2020	ND	ND	ND	ND	ND	-	ND
S-17	0-1	10/21/2020	ND	ND	ND	ND	ND	-	170
S-18	0-1	10/21/2020	ND	ND	ND	ND	ND	-	200
S-19	0-1	11/20/2020	ND	ND	ND	ND	ND	-	120
S-20	0-1	11/20/2020	ND	ND	ND	ND	ND	-	120
S-21	0-1	11/20/2020	ND	ND	ND	ND	ND	-	140
S-22	0-1	11/20/2020	ND	ND	ND	ND	ND	-	68
B-1	0	2/23/2021	ND	ND	ND	25	61	86.0	3400
	2	2/23/2021	ND	ND	ND	ND	ND	-	210
	4	2/23/2021	ND	ND	ND	10	ND	10.0	110
	6	2/23/2021	NT	NT	NT	NT	NT	-	100
	8	2/23/2021	NT	NT	NT	NT	NT	-	83
	10	2/23/2021	NT	NT	NT	NT	NT	-	ND
	12	2/23/2021	NT	NT	NT	NT	NT	-	ND
	14	2/23/2021	NT	NT	NT	NT	NT	-	ND
	16	2/23/2021	NT	NT	NT	NT	NT	-	ND
	18	2/23/2021	NT	NT	NT	NT	NT	-	ND
	20	2/23/2021	NT	NT	NT	NT	NT	-	ND
	25	2/23/2021	NT	NT	NT	NT	NT	-	ND
	30	2/23/2021	NT	NT	NT	NT	NT	-	ND
	35	2/23/2021	NT	NT	NT	NT	NT	-	ND
	45	2/23/2021	NT	NT	NT	NT	NT	-	74
	50	2/23/2021	NT	NT	NT	NT	NT	-	ND
	55	2/23/2021	NT	NT	NT	NT	NT	-	ND
B-2	0	2/23/2021	ND	ND	ND	24	ND	24.0	ND
	2	2/23/2021	ND	ND	ND	ND	ND	-	ND
	4	2/23/2021	ND	ND	ND	ND	ND	-	ND

ND= Analyte Not Detected

NT=Analyte Not Tested

R= Boring Refusal

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - Diamond PWU 22 #1H nAB1914250102 & nAB1721657722								
Date: 10/1/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CS1-1'	1'	ND	ND	ND	27.6	ND	27.6	ND
CW1-1'	2'	ND	ND	ND	ND	ND	ND	ND
CS2-6'	3'	ND	ND	ND	ND	ND	ND	ND
CW2-6'	4'	ND	ND	ND	ND	ND	ND	ND
CW3-6'	1'	ND	ND	ND	ND	ND	ND	ND
CS3-6'	2'	ND	ND	ND	ND	ND	ND	ND
CW4-6'	3'	ND	ND	ND	61	ND	61	ND
CW5-6'	4'	ND	ND	ND	ND	ND	ND	ND
CS4-10'	1'	ND	ND	ND	ND	ND	ND	ND
CW6-10'	2'	ND	ND	ND	27.8	ND	27.8	ND
CW7-10'	3'	ND	ND	ND	ND	ND	ND	ND
CW8-10'	4'	ND	ND	ND	27.7	ND	27.7	ND
CS5-9'	1'	ND	ND	ND	27.6	ND	27.6	456
CW9-9'	2'	ND	ND	ND	ND	ND	ND	626
CW10-9'	3'	ND	ND	ND	ND	ND	ND	635
CW11-9'	4'	ND	ND	ND	59.5	ND	59.5	250
CS6-1'	1'	ND	ND	ND	ND	ND	ND	ND
CW12-1'	2'	ND	ND	ND	25.2	ND	25.2	ND
CS7-2'	3'	ND	ND	ND	ND	ND	ND	362
CW13-2'	4'	ND	ND	ND	ND	ND	ND	465

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - Diamond PWU 22 #1H nAB1914250102 & nAB1721657722								
Date: 10/8/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CW9-9'	9'	ND	ND	ND	ND	ND	ND	ND
CW10-9'	9'	ND	ND	ND	ND	ND	ND	ND
CW11-9'	9'	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - Diamond PWU 22 #1H - nAB1721657722								
Date: 1/29/25		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
1-Surface	0'	ND	ND	ND	ND	ND	ND	30.8
1-2'	2'	ND	ND	ND	ND	ND	ND	436
1-4'	4'	ND	ND	ND	ND	ND	ND	201
1-6'	6'	ND	ND	ND	ND	ND	ND	ND
1-8'	8'	ND	ND	ND	ND	ND	ND	304
1-10'	10'	ND	ND	ND	ND	ND	ND	120
2-Surface	0'	ND	ND	ND	ND	ND	ND	46.9
2-2'	2'	ND	ND	ND	ND	ND	ND	248
2-4'	4'	ND	ND	ND	ND	ND	ND	208
2-6'	6'	ND	ND	ND	ND	ND	ND	ND
2-8'	8'	ND	ND	ND	ND	ND	ND	304
2-10'	10'	ND	ND	ND	ND	ND	ND	32.6
3-Surface	0'	ND	ND	ND	ND	ND	ND	61.6
3-2'	2'	ND	ND	ND	ND	ND	ND	146
3-4'	4'	ND	ND	ND	ND	ND	ND	211
3-6'	6'	ND	ND	ND	ND	ND	ND	ND
3-8'	8'	ND	ND	ND	ND	ND	ND	ND
3-10'	10'	ND	ND	ND	ND	ND	ND	ND
4-Surface	0'	ND	ND	ND	ND	ND	ND	475
4-2'	2'	ND	ND	ND	ND	ND	ND	395
4-4'	4'	ND	ND	ND	ND	ND	ND	258
4-6'	6'	ND	ND	ND	ND	ND	ND	ND
4-8'	8'	ND	ND	ND	ND	ND	ND	ND
4-10'	10'	ND	ND	ND	ND	ND	ND	ND
5-Surface	0'	ND	ND	ND	ND	ND	ND	ND
5-2'	2'	ND	ND	ND	ND	ND	ND	436
5-4'	4'	ND	ND	ND	ND	ND	ND	323
5-6'	6'	ND	ND	ND	ND	ND	ND	ND
5-8'	8'	ND	ND	ND	ND	ND	ND	ND
5-10'	10'	ND	ND	ND	ND	ND	ND	ND
6-Surface	0'	ND	ND	ND	ND	ND	ND	400
6-2'	2'	ND	ND	ND	ND	ND	ND	504
6-4'	4'	ND	ND	ND	ND	ND	ND	243
6-6'	6'	ND	ND	ND	ND	ND	ND	ND
6-8'	8'	ND	ND	ND	ND	ND	ND	ND
6-10'	10'	ND	ND	ND	ND	ND	ND	ND
7-Surface	0'	ND	ND	ND	ND	ND	ND	457
7-2'	2'	ND	ND	ND	ND	ND	ND	482
7-4'	4'	ND	ND	ND	ND	ND	ND	252
7-6'	6'	ND	ND	ND	ND	ND	ND	ND
7-8'	8'	ND	ND	ND	ND	ND	ND	ND
7-10'	10'	ND	ND	ND	ND	ND	ND	ND

Diamond PWU 22 #1H

Devon Energy
API # 30-015-38334
Eddy County, NM
nAB1914250102
nAB1721657722
Previous Confirmation Sample Map

Legend

- 1' Excavation - 600 sqft
- 10' Excavation - 200 sqft
- 2' Excavation - 200 sqft
- 6' Excavation - 400 sqft
- 9' Excavation - 400 sqft
- Confirmation Composite Samples
- Underground Flowlines



Google Earth

Image © 2024 Airbus
Released to Imaging: 2/19/2025 11:41:55 AM

Diamond PWU 22 #1H

Devon Energy
API #30-015-38334
Eddy County, NM
nAB1721657722
Sampling Map

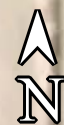
Legend

-  10' Sampling area - 498 sqft
-  Horizontal delineation samples
-  Vertical delineation samples



Diamond PWU 22 #1H

Google Earth



APPENDIX A

Water Surveys

Water-Related Maps



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

Diamond PWU 22 #001H | nAB1721657722

DEVON ENERGY PRODUCTION, LP.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are smallest to largest) (meters) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 01932 POD1		CP	ED	SW	NW	NW	27	19S	29E	587173.7	3611427.8		1652	55		
CP 01962 POD1		CP	ED	NE	NE	SE	28	19S	29E	587024.8	3610641.8		2444	53		

Average Depth to Water: 0 feet

Minimum Depth: 0 feet

Maximum Depth: 0 feet

Record Count: 2

Basin/County Search:
County: ED

UTM Filters (in meters):
Easting: 587199.46
Northing: 3613079.77
Radius: 03000

* 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.

OSE POD Location Map



8/6/2024, 9:43:08 AM

GIS WATERS PODs

● Active

● Pending

●

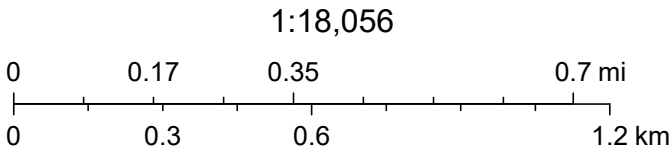
OSE District Boundary

New Mexico State Trust Lands

Both Estates

NHD Flowlines

Stream River



Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar



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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 323900104052901

Minimum number of levels = 1

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

USGS 323900104052901 19S.29E.20.24111 RATLSNAKE

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°39'00", Longitude 104°05'29" NAD27

Land-surface elevation 3,306 feet above NAVD88

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

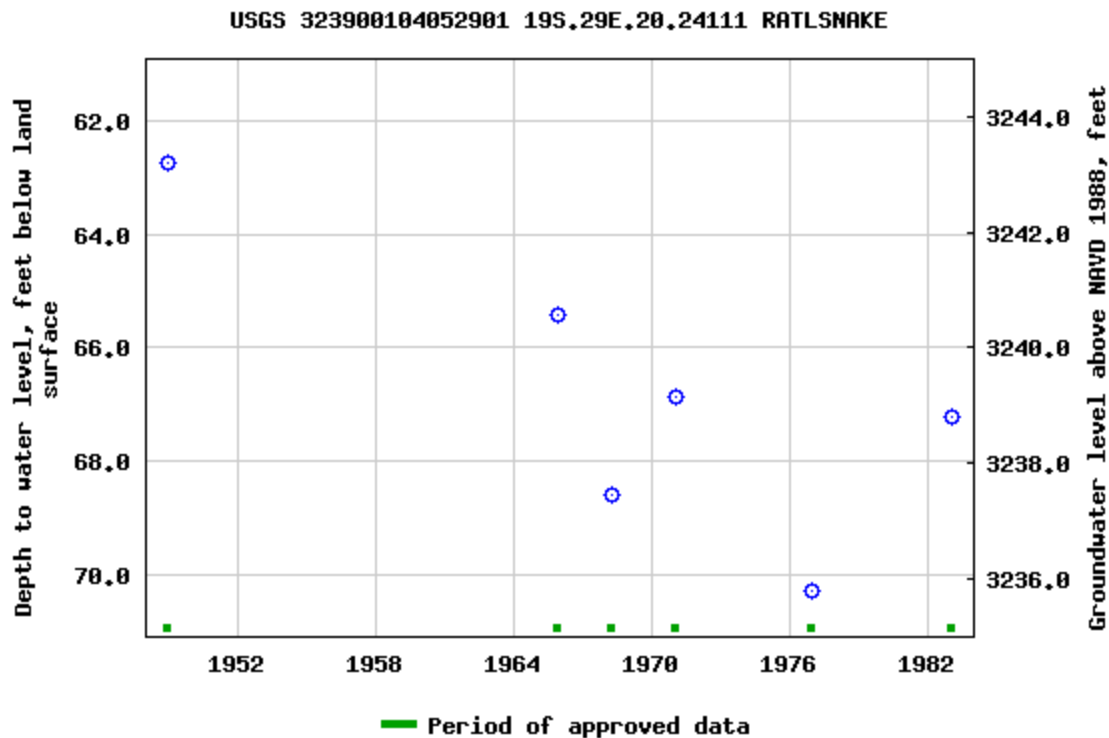
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2024-08-06 10:47:28 EDT

0.53 0.46 nadww02



National Water Information System: Mapper



Diamond PWU 22 #1H

Devon Energy
API # 30-015-38334
Eddy County, NM
nAB1721657722
nAB1914250102
Surface Water Map

Legend

-  5.61 Miles
-  Unnamed Pond

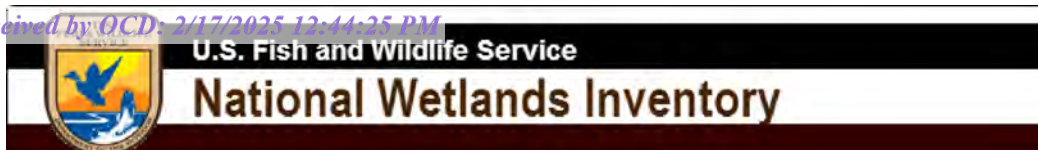
Diamond PWU 22 #1H

Unnamed Pond

Google Earth



3 mi



Wetlands Map



August 6, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



104°4'31"W 32°39'21"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°3'54"W 32°38'51"N

Released to Imaging: 2/19/2025 11:41:55 AM

Basemap Imagery Source: USGS National Map 2023

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 8/6/2024 at 10:51 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

APPENDIX B

Soil Survey

Soil Map

Geologic Unit Map



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

Diamond PWU 22 #001H | nAB1721657722

DEVON ENERGY PRODUCTION, LP.

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KT—Kimbrough-Stegall loams, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4t

Elevation: 2,750 to 5,000 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 70 percent

Stegall and similar soils: 25 percent

Minor components: 5 percent

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

Description of Kimbrough

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 3 inches: loam

H2 - 3 to 9 inches: loam

H3 - 9 to 60 inches: indurated

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 8 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very high

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

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

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: D
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Description of Stegall

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loam
H2 - 5 to 28 inches: clay loam
H3 - 28 to 32 inches: indurated
H4 - 32 to 60 inches: variable

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 5 percent
Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

8/6/2024
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

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

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KT	Kimbrough-Stegall loams, 0 to 3 percent slopes	7.9	100.0%
Totals for Area of Interest		7.9	100.0%

Diamond PWU 22 #1H

Devon Energy
API #30-015-38334
Eddy County, NM
nAB1914250102
nAB1721657722
Geologic Unit Map

Legend

-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments.....
-  Piedmont alluvial deposits
-  Rustler Formation

Diamond PWU 22 1H

Google Earth



4000 ft

APPENDIX C

Initial Form C-141
48-Hour Notifications



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

Diamond PWU 22 #001H | nAB1721657722

DEVON ENERGY PRODUCTION, LP.

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

NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 28 2017

RECEIVED

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

NAB1721657722

OPERATOR ☒ Initial Report ☐ Final Report	
Name of Company Devon Energy Production Company <i>U137</i>	Contact Mike Shoemaker, EHS Representative
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-748-3371
Facility Name Diamond PWU 22 1H	Facility Type Oil
Surface Owner State	Mineral Owner State
API No 30-015-38334	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	22	19S	29E	575'	FNL	330'	FWL	Eddy

Latitude: 32.6519089

Longitude: -104.0702057

NATURE OF RELEASE

Type of Release Produced water	Volume of Release unknown	Volume Recovered unknown
Source of Release Illegal dump	Date and Hour of Occurrence July 14, 2017 @ 10:15 AM	Date and Hour of Discovery July 14, 2017 @ 10:15 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? OCD, Mike Bratcher/Crystal Weaver	
By Whom? Brett Fulks	Date and Hour July 14, 2017 @ 12:15 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* The lease operator was making his normal rounds when he arrived at the location there was standing fluid on the ground and visible tire tracks exiting the area. Unknown party dumped unknown amount of produced water on location.		
Describe Area Affected and Cleanup Action Taken.* Illegal dump was located in the middle of location. The OCD was notified of the incident. An environmental contractor will be contacted to assist with the delineation and remediation.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		
Signature: <i>Sheila Fisher</i>	OIL CONSERVATION DIVISION	
Printed Name: Sheila Fisher	Approved by Environmental Specialist: <i>Crystal Weaver</i>	
Title: Field Admin Support	Approval Date: <i>8/4/17</i>	Expiration Date: <i>N/A</i>
E-mail Address: Sheila.fisher@dvn.com	Conditions of Approval: <i>see attached</i>	Attached ☒
Date: 7/24/17 Phone: 575.748.1829		

* Attach Additional Sheets If Necessary

2RP-4318

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

QUESTIONS

Action 387809

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 387809
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1914250102
Incident Name	NAB1914250102 DIAMOND PWU 22 #001H @ 30-015-38334
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-38334] DIAMOND PWU 22 #001H

Location of Release Source	
Site Name	DIAMOND PWU 22 #001H
Date Release Discovered	05/08/2019
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,400
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/01/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Pima 575-416-0639
Please provide any information necessary for navigation to sampling site	From the intersection of S Old Loco Road and Curry Comb Road in Eddy county, travel southeast on Curry Comb Rd for 0.67 miles, turn north into location.

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 387809

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 387809
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
wdale	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/27/2024

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

QUESTIONS

Action 389842

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 389842
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1914250102
Incident Name	NAB1914250102 DIAMOND PWU 22 #001H @ 30-015-38334
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-38334] DIAMOND PWU 22 #001H

Location of Release Source	
Site Name	DIAMOND PWU 22 #001H
Date Release Discovered	05/08/2019
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	420
What is the estimated number of samples that will be gathered	3
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/08/2024
Time sampling will commence	06:30 AM
Please provide any information necessary for observers to contact samplers	Marisa Loya (575) 416-0639
Please provide any information necessary for navigation to sampling site	From the intersection of S Old Loco Road and Curry Comb Road in Eddy county, travel southeast on Curry Comb Rd for 0.67 miles, turn north into location.

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 389842

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 389842
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
wdale	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/3/2024

APPENDIX D

Photographic Documentation

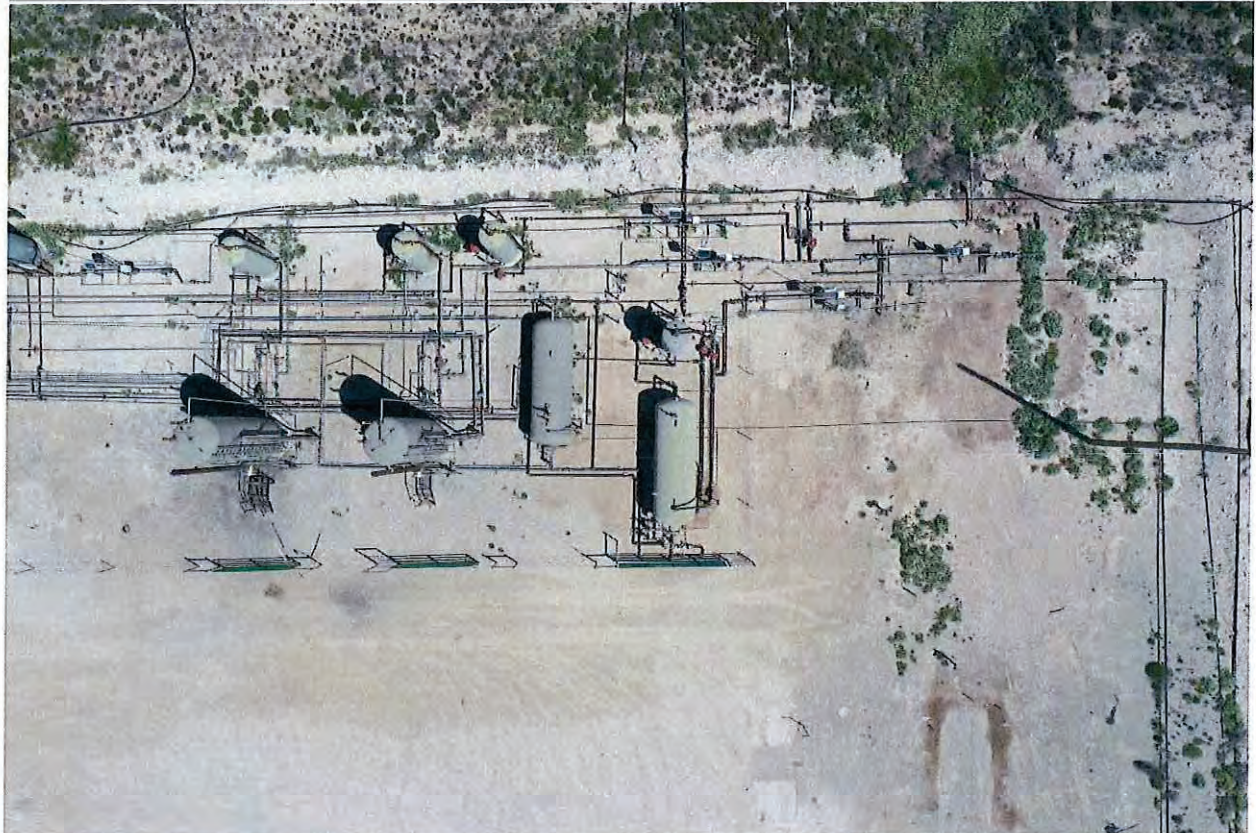
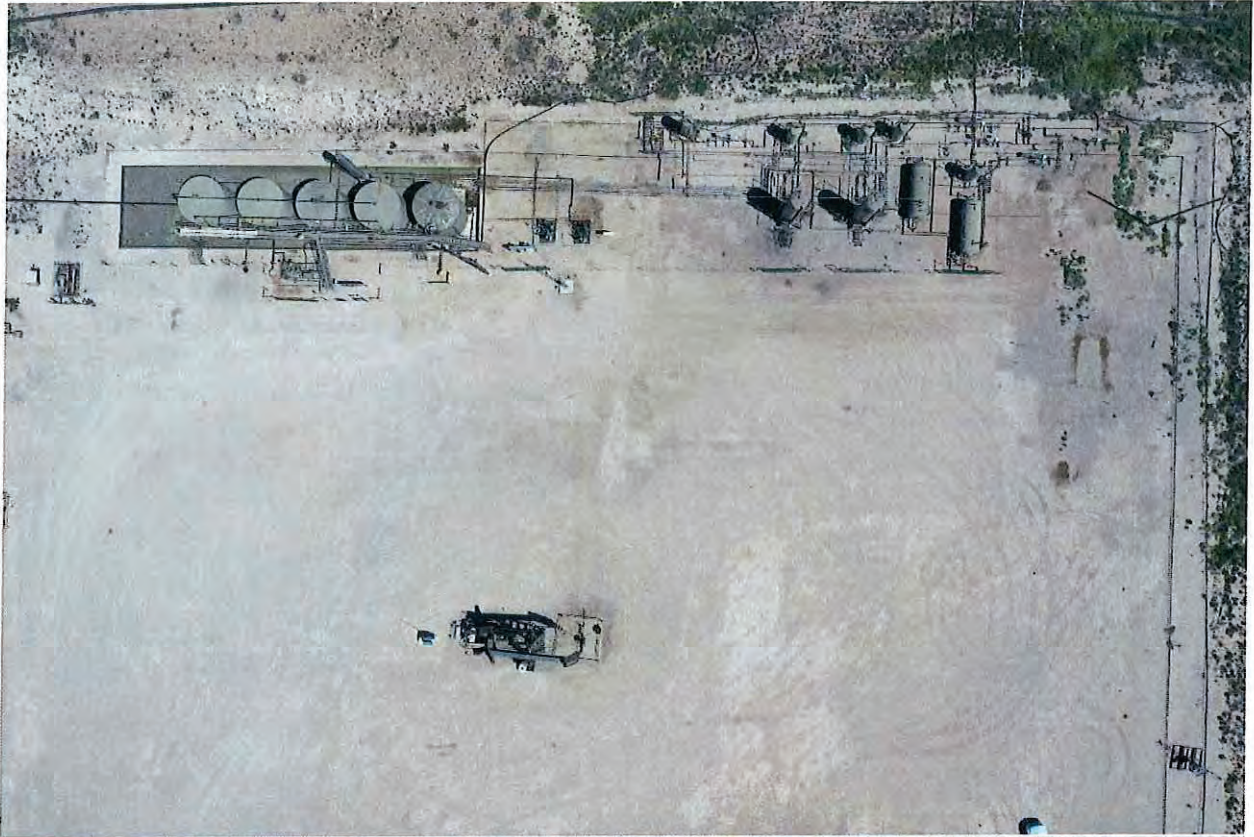


Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240
575-964-7740 | www.pimaoil.com

Diamond PWU 22 #001H | nAB1721657722

DEVON ENERGY PRODUCTION, LP.

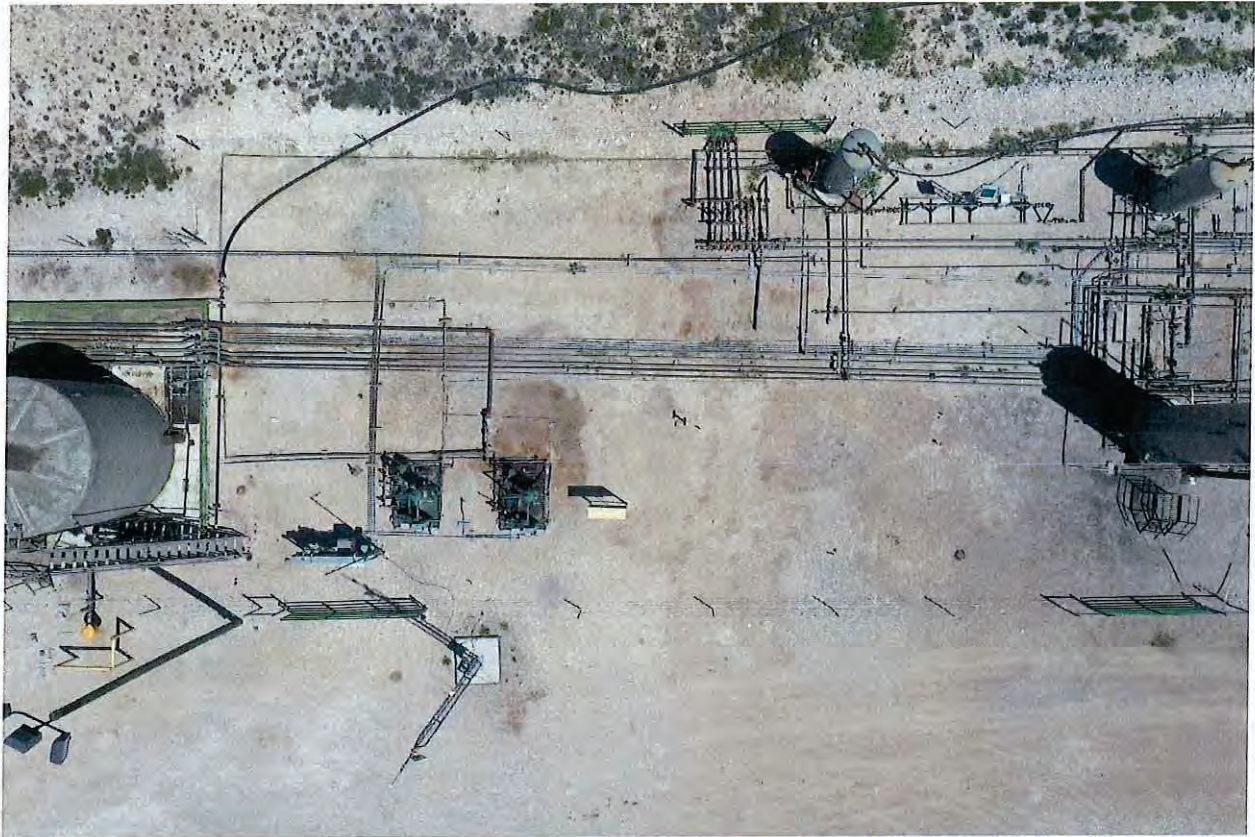
Diamond PWU 22 #001H Assessment Photographs



Diamond PWU 22 #001H Assessment Photographs



Diamond PWU 22 #001H Assessment Photographs



Diamond PWU 22 #001H Assessment Photographs



Diamond PWU 22 #001H Assessment Photographs





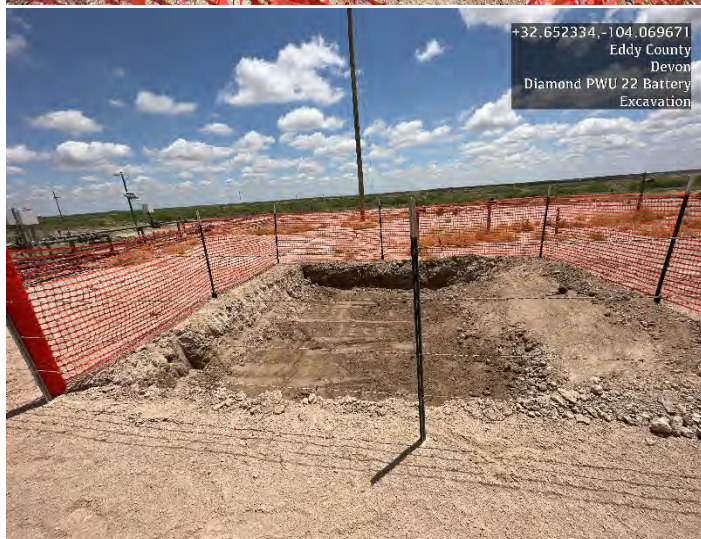
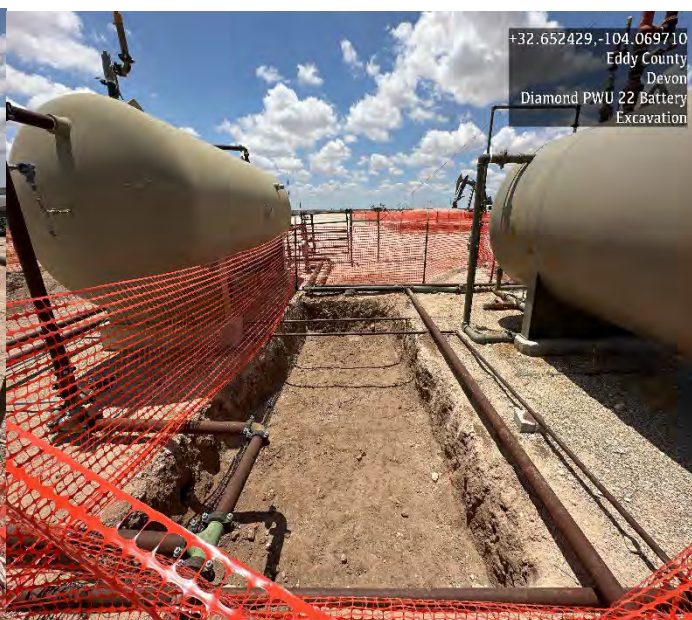
**SITE PHOTOGRAPHS
DEVON ENERGY
DIAMOND PWU 22 1H**

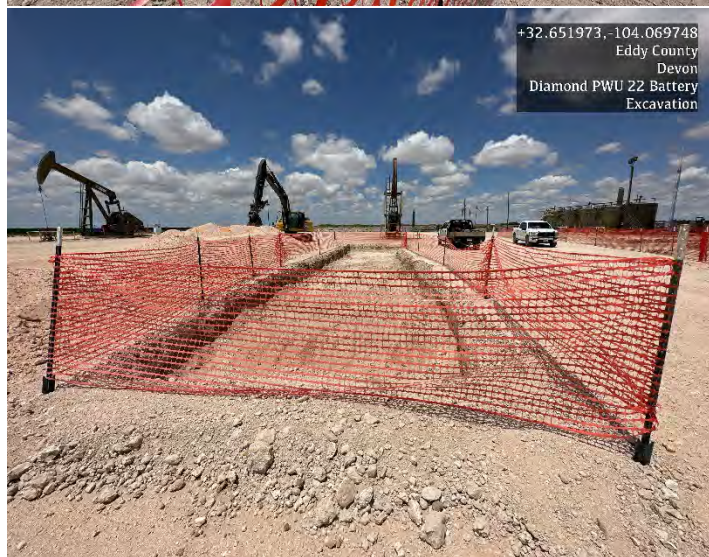
Site Assessment





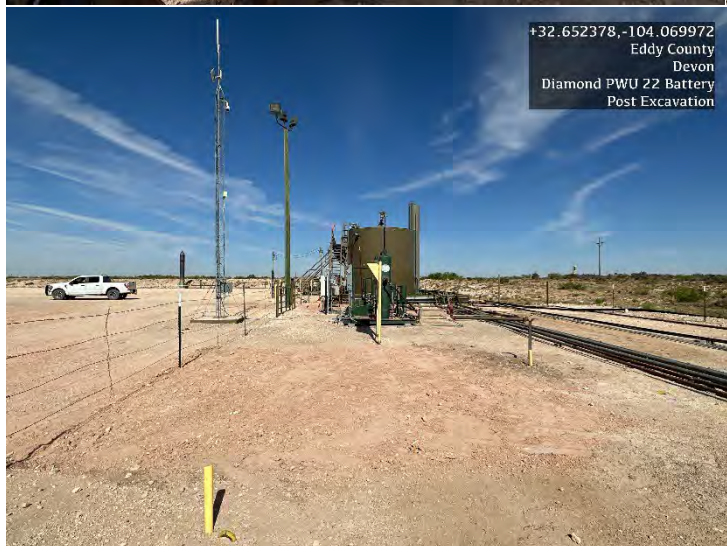
Excavation







Post Excavation



Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



Sign



Flagging/marketing excavation area



Flagging/marketing excavation area



Flagging/marketing excavation area

Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



+32.652292, -104.069465
315° NW
Eddy County
Devon
Diamond PWU 22 #001H
Pre-Excavation

Flagging/marking excavation area



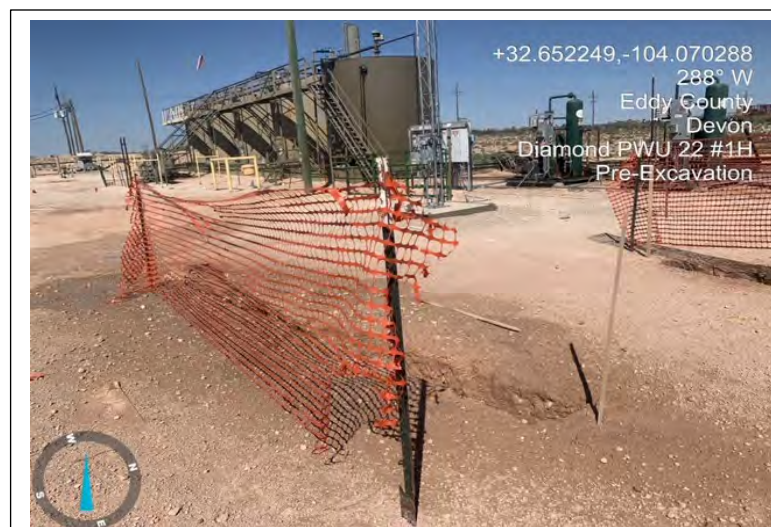
+32.652295, -104.069621
245° SW
Devon
Diamond PWU 22 #001H
Pre-Excavation

Flagging/marking excavation area



+32.652462, -104.070178
239° SW
Eddy County
Devon
Diamond PWU 22 #001H
Pre-Excavation

Flagging/marking excavation area



+32.652249, -104.070288
288° W
Eddy County
Devon
Diamond PWU 22 #1H
Pre-Excavation

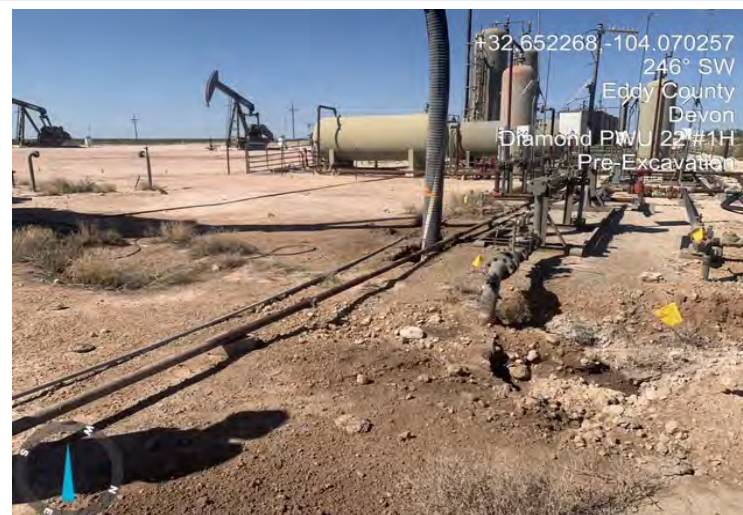
Excavation 1

Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



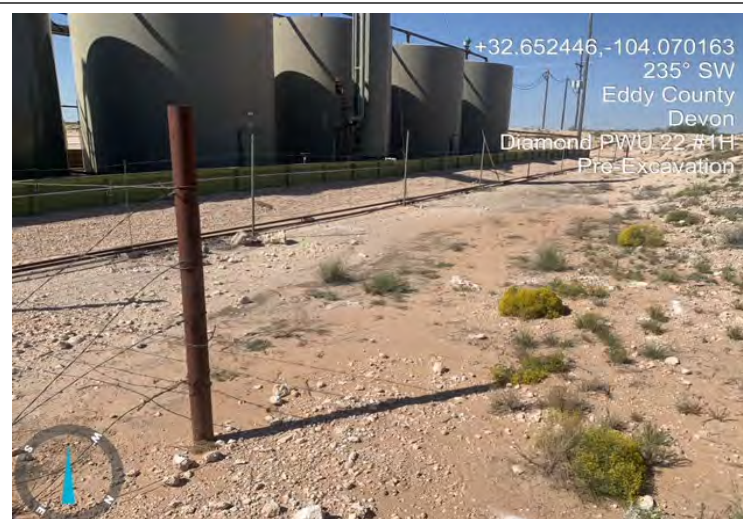
Excavation 2



Excavation 3



Excavation 4



Excavation 5

Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



+32.652451,-104.070073
294° NW
Eddy County
Devon
Diamond PWU 22 #1H
Pre-Excavation

Excavation 6



+32.652322,-104.069896
318° NW
Eddy County
Devon
Diamond PWU 22 #1H
Pre-Excavation

Excavation 7



+32.652404,-104.069595
Eddy County
Devon
Diamond PWU 22 1H
Excavation

Excavation 8

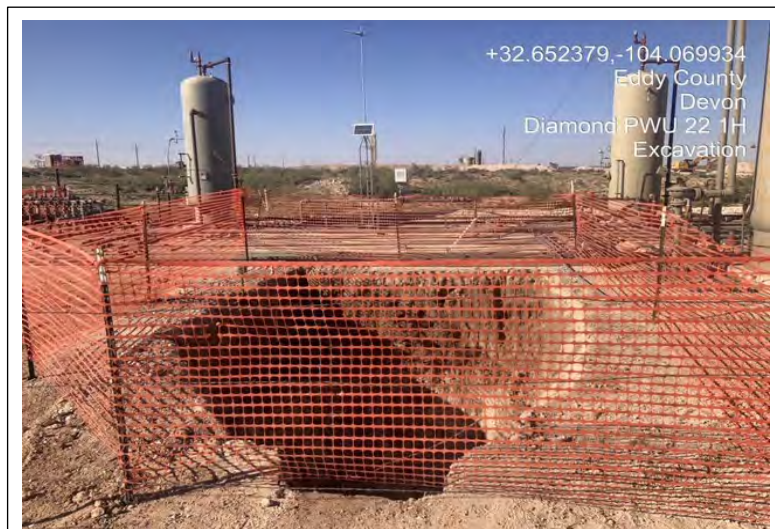


+32.652404,-104.069595
Eddy County
Devon
Diamond PWU 22 1H
Excavation

Excavation 9

Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



Excavation 10



Excavation 11



Excavation 12



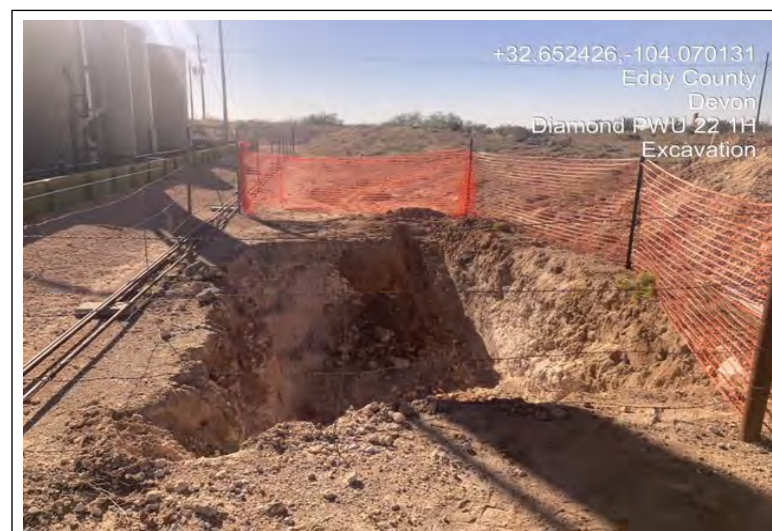
Excavation 13

Photographic Documentation

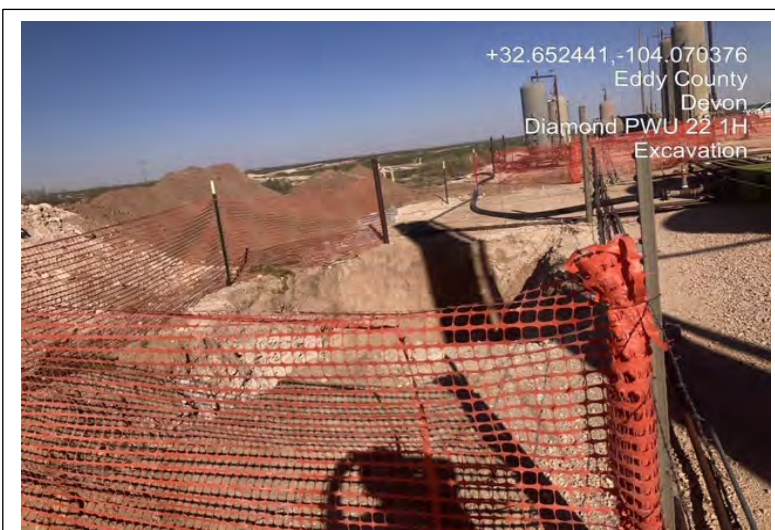
Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



Excavation 14



Excavation 15



Excavation 16



Excavation 17

Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



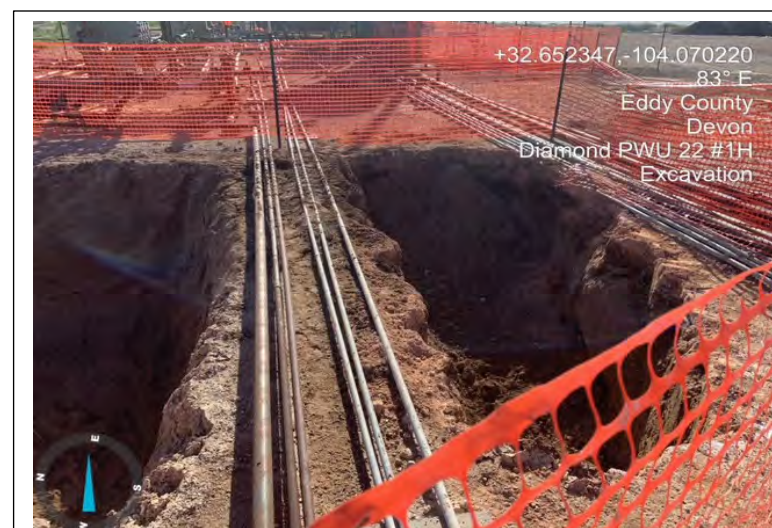
Excavation 18



Excavation 19



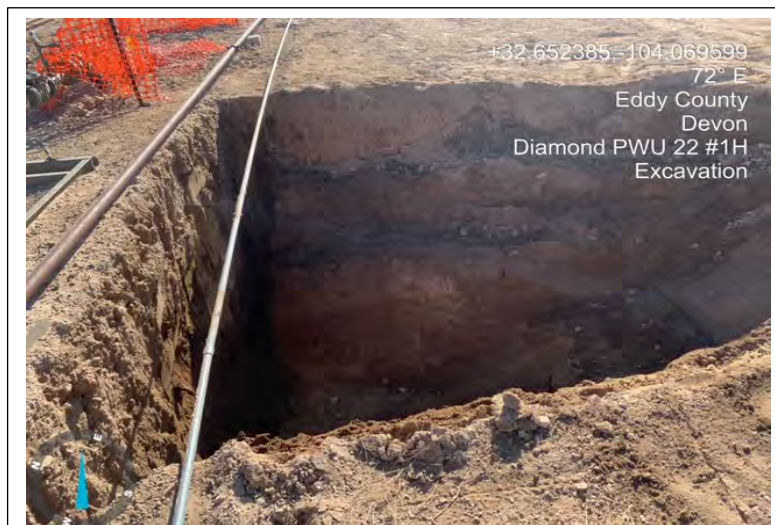
Excavation 20



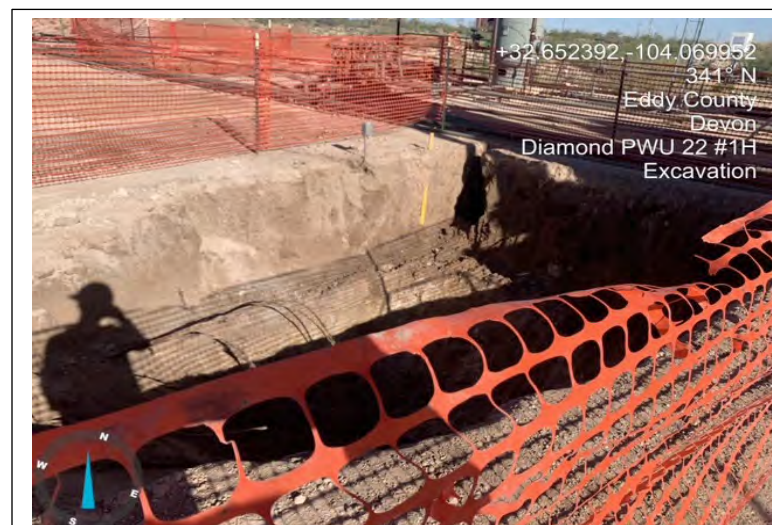
Excavation 21

Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



Excavation 22



Excavation 23



Excavation 24



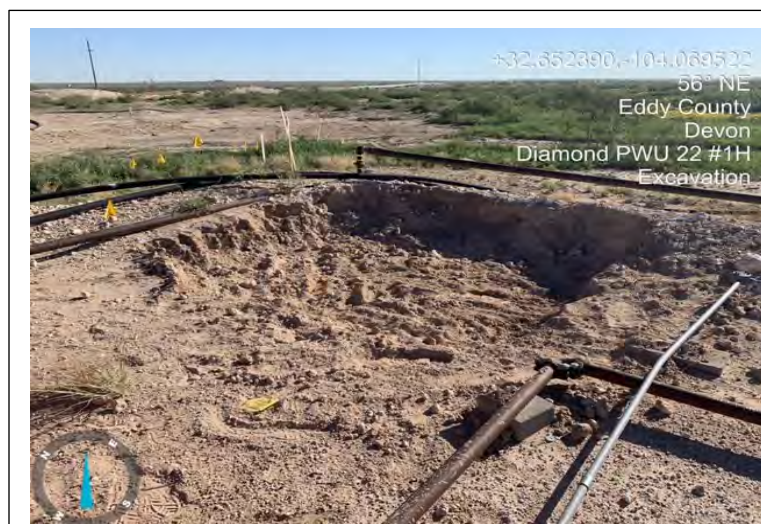
Excavation 25

Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



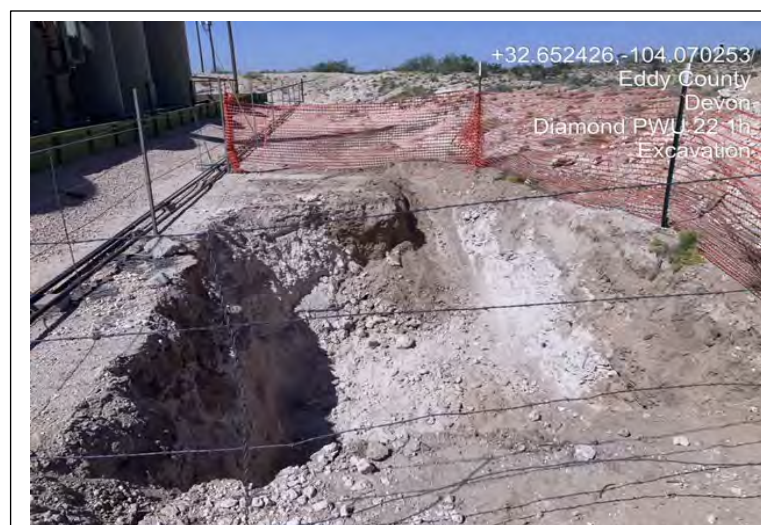
Excavation 26



Excavation 27



Excavation 28



Excavation 29

Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



Excavation 30



Excavation 31



Excavation 32



Excavation 33

Photographic Documentation

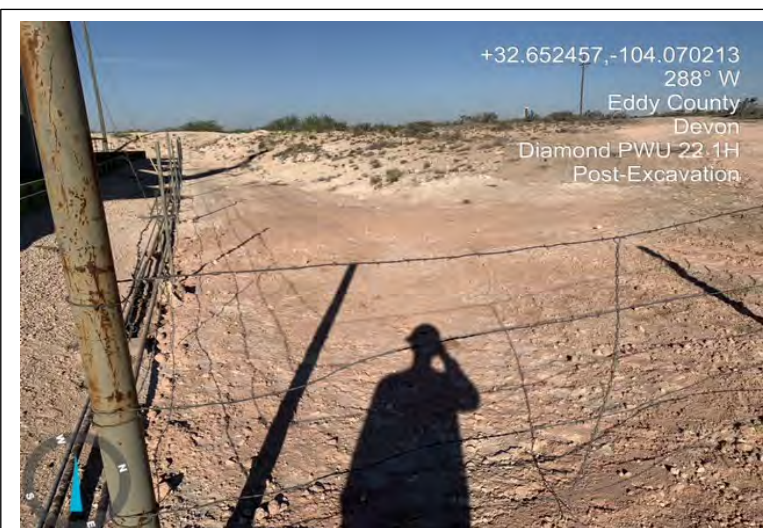
Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



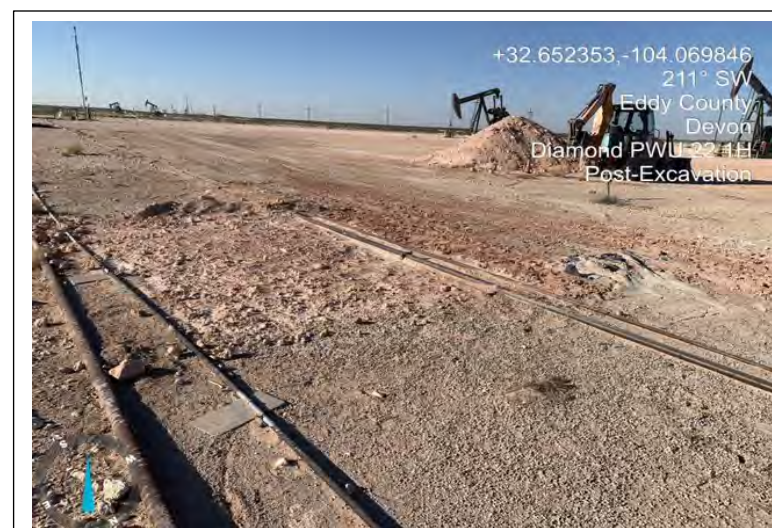
Excavation 34



Excavation 35



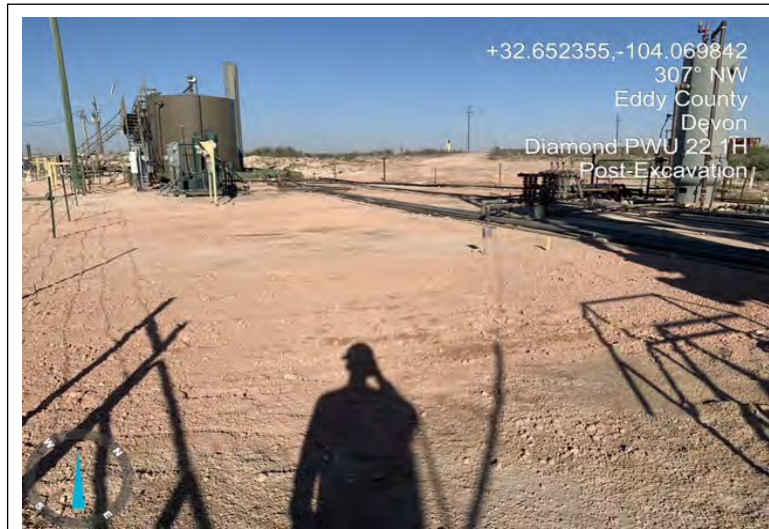
Backfill 1



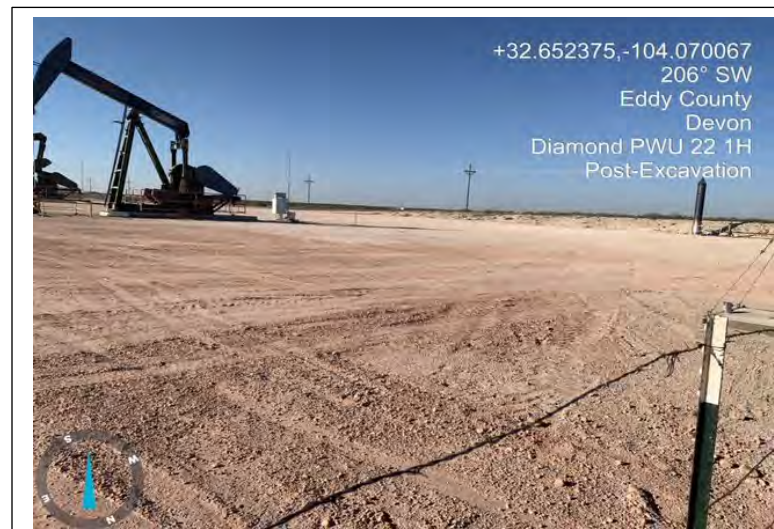
Backfill 2

Photographic Documentation

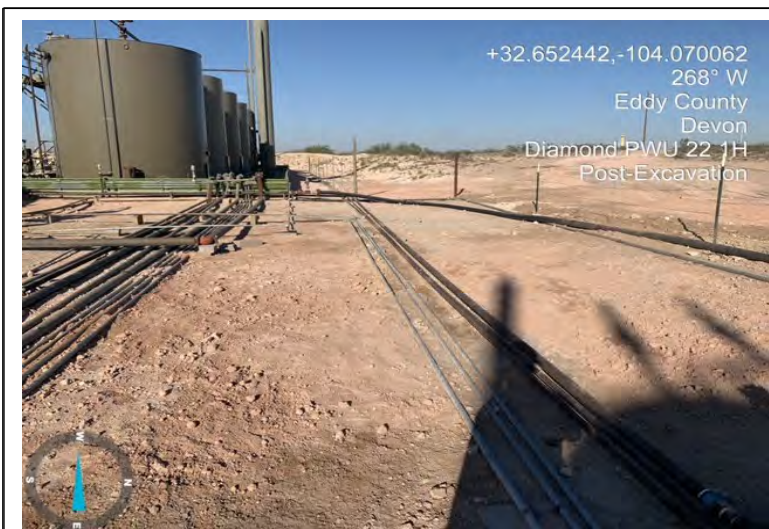
Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



Backfill 3



Backfill 4



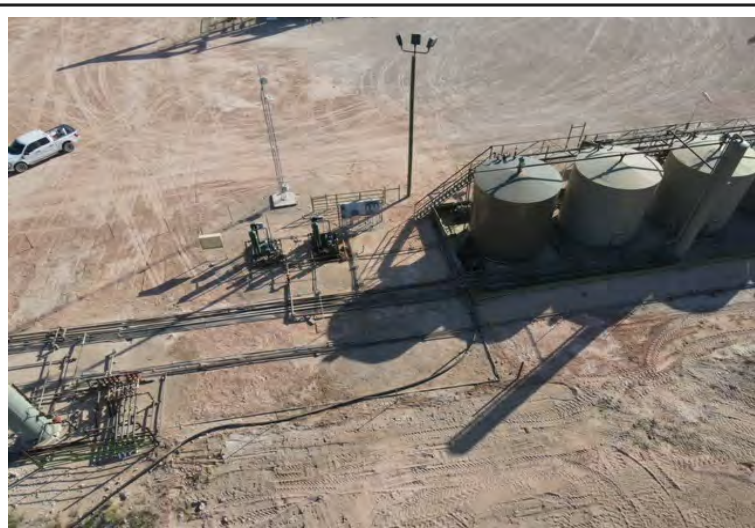
Backfill 5



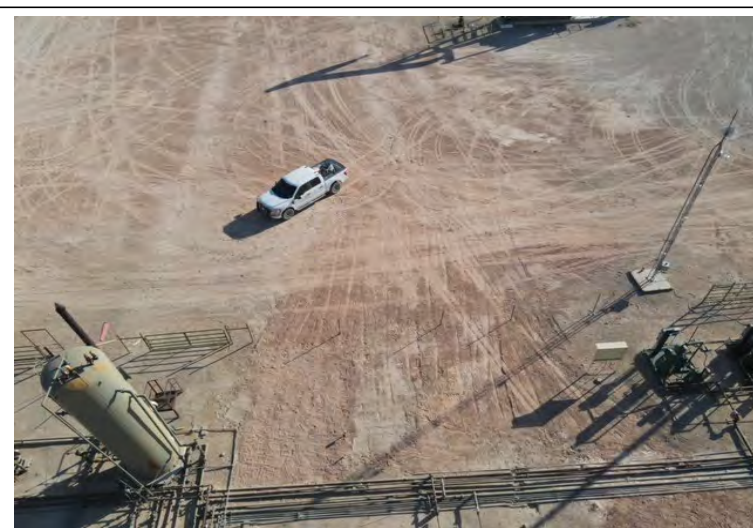
Backfill Aerial 1

Photographic Documentation

Diamond PWU 22 #1H – nAB1914250102 // nAB1721657722



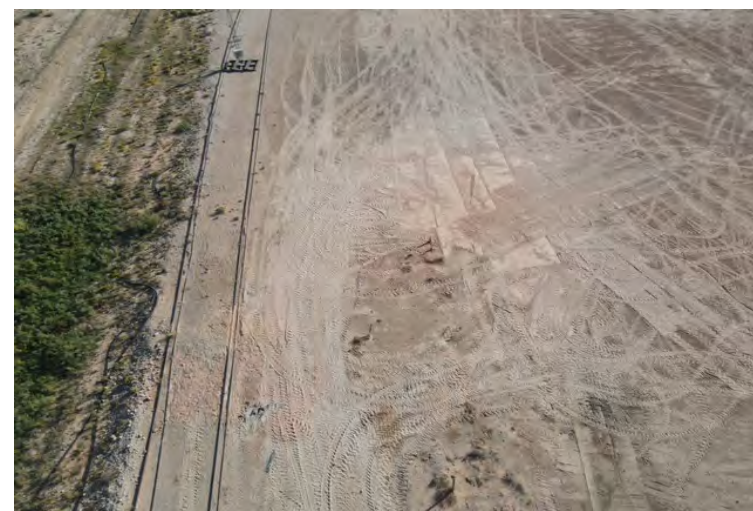
Backfill Aerial 2



Backfill Aerial 3



Backfill Aerial 4



Backfill Aerial 5



**SITE PHOTOGRAPHS
DEVON ENERGY
DIAMOND PWU 22 1H**

Investigative Sample Collection 2025



APPENDIX E

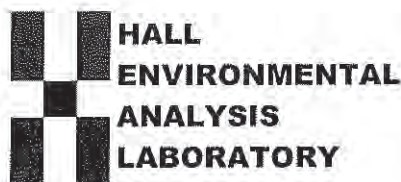
Laboratory Reports



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

Diamond PWU 22 #001H | nAB1721657722

DEVON ENERGY PRODUCTION, LP.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 06, 2020

Chris Jones
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX:

RE: Diamond PWU 22 001H

OrderNo.: 2004C19

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 10 sample(s) on 4/30/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light gray rectangular background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 8:30:00 AM

Lab ID: 2004C19-001

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	5/1/2020 8:32:11 PM	52216
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/1/2020 2:25:46 PM	52196
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/1/2020 2:25:46 PM	52196
Surr: DNOP	98.9	55.1-146		%Rec	1	5/1/2020 2:25:46 PM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/2/2020 12:46:43 AM	52191
Surr: BFB	103	66.6-105		%Rec	1	5/2/2020 12:46:43 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	5/2/2020 12:46:43 AM	52191
Toluene	ND	0.047		mg/Kg	1	5/2/2020 12:46:43 AM	52191
Ethylbenzene	ND	0.047		mg/Kg	1	5/2/2020 12:46:43 AM	52191
Xylenes, Total	ND	0.093		mg/Kg	1	5/2/2020 12:46:43 AM	52191
Surr: 4-Bromofluorobenzene	99.0	80-120		%Rec	1	5/2/2020 12:46:43 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RI	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 14

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 8:40:00 AM

Lab ID: 2004C19-002

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1000	60		mg/Kg	20	5/1/2020 8:44:35 PM	52216
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/1/2020 6:57:46 PM	52196
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/1/2020 6:57:46 PM	52196
Surr: DNOP	84.2	55.1-146		%Rec	1	5/1/2020 6:57:46 PM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/2/2020 1:58:19 AM	52191
Surr: BFB	104	66.6-105		%Rec	1	5/2/2020 1:58:19 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/2/2020 1:58:19 AM	52191
Toluene	ND	0.049		mg/Kg	1	5/2/2020 1:58:19 AM	52191
Ethylbenzene	ND	0.049		mg/Kg	1	5/2/2020 1:58:19 AM	52191
Xylenes, Total	ND	0.098		mg/Kg	1	5/2/2020 1:58:19 AM	52191
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	1	5/2/2020 1:58:19 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 14

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 8:50:00 AM

Lab ID: 2004C19-003

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	130	60		mg/Kg	20	5/1/2020 8:57:00 PM	52216
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/1/2020 2:50:27 PM	52196
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/1/2020 2:50:27 PM	52196
Surr: DNOP	79.3	55.1-146		%Rec	1	5/1/2020 2:50:27 PM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/2/2020 3:09:42 AM	52191
Surr: BFB	105	66.6-105		%Rec	1	5/2/2020 3:09:42 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	5/2/2020 3:09:42 AM	52191
Toluene	ND	0.047		mg/Kg	1	5/2/2020 3:09:42 AM	52191
Ethylbenzene	ND	0.047		mg/Kg	1	5/2/2020 3:09:42 AM	52191
Xylenes, Total	ND	0.094		mg/Kg	1	5/2/2020 3:09:42 AM	52191
Surr: 4-Bromofluorobenzene	99.9	80-120		%Rec	1	5/2/2020 3:09:42 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 3 of 14

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 9:00:00 AM

Lab ID: 2004C19-004

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	5/1/2020 9:09:24 PM	52216
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/1/2020 3:14:58 PM	52196
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/1/2020 3:14:58 PM	52196
Surr: DNOP	80.4	55.1-146		%Rec	1	5/1/2020 3:14:58 PM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/2/2020 3:33:22 AM	52191
Surr: BFB	104	66.6-105		%Rec	1	5/2/2020 3:33:22 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/2/2020 3:33:22 AM	52191
Toluene	ND	0.047		mg/Kg	1	5/2/2020 3:33:22 AM	52191
Ethylbenzene	ND	0.047		mg/Kg	1	5/2/2020 3:33:22 AM	52191
Xylenes, Total	ND	0.095		mg/Kg	1	5/2/2020 3:33:22 AM	52191
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	5/2/2020 3:33:22 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 14

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 9:10:00 AM

Lab ID: 2004C19-005

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	65000	3000		mg/Kg	1E+	5/5/2020 11:40:13 PM	52216
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	300	48		mg/Kg	5	5/1/2020 9:53:28 AM	52196
Motor Oil Range Organics (MRO)	620	240		mg/Kg	5	5/1/2020 9:53:28 AM	52196
Surr: DNOP	156	55.1-146	S	%Rec	5	5/1/2020 9:53:28 AM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/2/2020 3:56:58 AM	52191
Surr: BFB	103	66.6-105		%Rec	1	5/2/2020 3:56:58 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	5/2/2020 3:56:58 AM	52191
Toluene	ND	0.049		mg/Kg	1	5/2/2020 3:56:58 AM	52191
Ethylbenzene	ND	0.049		mg/Kg	1	5/2/2020 3:56:58 AM	52191
Xylenes, Total	ND	0.098		mg/Kg	1	5/2/2020 3:56:58 AM	52191
Surr: 4-Bromofluorobenzene	98.5	80-120		%Rec	1	5/2/2020 3:56:58 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Value above quantitation range
H	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL	Practical Quantitative Limit	RL Reporting Limit
S	% Recovery outside of range due to dilution or matrix	

Page 5 of 14

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 9:20:00 AM

Lab ID: 2004C19-006

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	14000	600		mg/Kg	200	5/5/2020 11:52:34 PM	52216
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/1/2020 3:39:39 PM	52196
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/1/2020 3:39:39 PM	52196
Surr: DNOP	78.6	55.1-146		%Rec	1	5/1/2020 3:39:39 PM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/2/2020 4:21:00 AM	52191
Surr: BFB	104	66.6-105		%Rec	1	5/2/2020 4:21:00 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/2/2020 4:21:00 AM	52191
Toluene	ND	0.048		mg/Kg	1	5/2/2020 4:21:00 AM	52191
Ethylbenzene	ND	0.048		mg/Kg	1	5/2/2020 4:21:00 AM	52191
Xylenes, Total	ND	0.096		mg/Kg	1	5/2/2020 4:21:00 AM	52191
Surr: 4-Bromofluorobenzene	99.1	80-120		%Rec	1	5/2/2020 4:21:00 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 6 of 14

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 9:30:00 AM

Lab ID: 2004C19-007

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	360	61		mg/Kg	20	5/1/2020 9:46:37 PM	52216
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/1/2020 4:04:02 PM	52196
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/1/2020 4:04:02 PM	52196
Surr: DNOP	71.4	55.1-146		%Rec	1	5/1/2020 4:04:02 PM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/2/2020 4:44:57 AM	52191
Surr: BFB	108	66.6-105	S	%Rec	1	5/2/2020 4:44:57 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	5/2/2020 4:44:57 AM	52191
Toluene	ND	0.049		mg/Kg	1	5/2/2020 4:44:57 AM	52191
Ethylbenzene	ND	0.049		mg/Kg	1	5/2/2020 4:44:57 AM	52191
Xylenes, Total	ND	0.098		mg/Kg	1	5/2/2020 4:44:57 AM	52191
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	5/2/2020 4:44:57 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B.	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E.	Value above quantitation range
	H	Holding times for preparation or analysis exceeded.	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pI Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 7 of 14

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 9:40:00 AM

Lab ID: 2004C19-008

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	9800	300		mg/Kg	100	5/6/2020 12:04:54 AM	52226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	14	9.6		mg/Kg	1	5/1/2020 4:28:32 PM	52196
Motor Oil Range Organics (MRO)	52	48		mg/Kg	1	5/1/2020 4:28:32 PM	52196
Surr: DNOP	104	55.1-146		%Rec	1	5/1/2020 4:28:32 PM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/2/2020 5:08:18 AM	52191
Surr: BFB	101	66.6-105		%Rec	1	5/2/2020 5:08:18 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/2/2020 5:08:18 AM	52191
Toluene	ND	0.048		mg/Kg	1	5/2/2020 5:08:18 AM	52191
Ethylbenzene	ND	0.048		mg/Kg	1	5/2/2020 5:08:18 AM	52191
Xylenes, Total	ND	0.095		mg/Kg	1	5/2/2020 5:08:18 AM	52191
Surr: 4-Bromofluorobenzene	97.0	80-120		%Rec	1	5/2/2020 5:08:18 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 8 of 14

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 9:50:00 AM

Lab ID: 2004C19-009

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	69	60		mg/Kg	20	5/2/2020 11:48:37 AM	52226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	25	9.2		mg/Kg	1	5/1/2020 4:53:04 PM	52196
Motor Oil Range Organics (MRO)	57	46		mg/Kg	1	5/1/2020 4:53:04 PM	52196
Surr: DNOP	98.1	55.1-146		%Rec	1	5/1/2020 4:53:04 PM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	5/2/2020 5:31:52 AM	52191
Surr: BFB	99.8	66.6-105		%Rec	5	5/2/2020 5:31:52 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	5/2/2020 5:31:52 AM	52191
Toluene	ND	0.23		mg/Kg	5	5/2/2020 5:31:52 AM	52191
Ethylbenzene	ND	0.23		mg/Kg	5	5/2/2020 5:31:52 AM	52191
Xylenes, Total	ND	0.47		mg/Kg	5	5/2/2020 5:31:52 AM	52191
Surr: 4-Bromofluorobenzene	98.1	80-120		%Rec	5	5/2/2020 5:31:52 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RI	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 9 of 14

Analytical Report

Lab Order 2004C19

Date Reported: 5/6/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-10 0-1'

Project: Diamond PWU 22 001H

Collection Date: 4/29/2020 10:00:00 AM

Lab ID: 2004C19-010

Matrix: SOIL

Received Date: 4/30/2020 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	60		mg/Kg	20	5/2/2020 12:00:57 PM	52226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	4800	470		mg/Kg	50	5/1/2020 10:18:02 AM	52196
Motor Oil Range Organics (MRO)	5000	2300		mg/Kg	50	5/1/2020 10:18:02 AM	52196
Surr: DNOP	0	55.1-146	S	%Rec	50	5/1/2020 10:18:02 AM	52196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	5/2/2020 5:55:22 AM	52191
Surr: BFB	99.8	66.6-105		%Rec	5	5/2/2020 5:55:22 AM	52191
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.11		mg/Kg	5	5/2/2020 5:55:22 AM	52191
Toluene	ND	0.23		mg/Kg	5	5/2/2020 5:55:22 AM	52191
Ethylbenzene	ND	0.23		mg/Kg	5	5/2/2020 5:55:22 AM	52191
Xylenes, Total	ND	0.46		mg/Kg	5	5/2/2020 5:55:22 AM	52191
Surr: 4-Bromofluorobenzene	96.8	80-120		%Rec	5	5/2/2020 5:55:22 AM	52191

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 10 of 14

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004C19

06-May-20

Client: Talon Artesia
Project: Diamond PWU 22 001H

Sample ID: MB-52216	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 52216	RunNo: 68572								
Prep Date: 5/1/2020	Analysis Date: 5/1/2020	SeqNo: 2374259 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52216	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 52216	RunNo: 68572								
Prep Date: 5/1/2020	Analysis Date: 5/1/2020	SeqNo: 2374260 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: MB-52226	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 52226	RunNo: 68615								
Prep Date: 5/2/2020	Analysis Date: 5/2/2020	SeqNo: 2374419 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52226	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 52226	RunNo: 68615								
Prep Date: 5/2/2020	Analysis Date: 5/2/2020	SeqNo: 2374420 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Page 11 of 14

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004C19

06-May-20

Client: Talon Artesia
Project: Diamond PWU 22 001H

Sample ID: LCS-52196	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 52196	RunNo: 68578								
Prep Date: 4/30/2020	Analysis Date: 5/1/2020	SeqNo: 2372791 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.5	70	130			
Surr: DNOP	4.5		5.000		89.2	55.1	146			

Sample ID: MB-52196	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 52196	RunNo: 68578								
Prep Date: 4/30/2020	Analysis Date: 5/1/2020	SeqNo: 2372792 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.1	55.1	146			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 12 of 14

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004C19

06-May-20

Client: Talon Artesia
Project: Diamond PWU 22 001H

Sample ID: 2004c19-002ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-2 0-1'	Batch ID: 52191	RunNo: 68583								
Prep Date: 4/30/2020	Analysis Date: 5/2/2020	SeqNo: 2373020 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.56	0	96.3	80	120			
Surr: BFB	1100		982.3		115	66.6	105			S

Sample ID: 2004c19-002amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-2 0-1'	Batch ID: 52191	RunNo: 68583								
Prep Date: 4/30/2020	Analysis Date: 5/2/2020	SeqNo: 2373021 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	24.95	0	99.3	80	120	4.69	20	
Surr: BFB	1100		998.0		114	66.6	105	0	0	S

Sample ID: lcs-52191	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 52191	RunNo: 68583								
Prep Date: 4/30/2020	Analysis Date: 5/1/2020	SeqNo: 2373046 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.1	80	120			
Surr: BFB	1100		1000		112	66.6	105			S

Sample ID: mb-52191	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 52191	RunNo: 68583								
Prep Date: 4/30/2020	Analysis Date: 5/1/2020	SeqNo: 2373048 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	66.6	105			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 13 of 14

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004C19

06-May-20

Client: Talon Artesia
Project: Diamond PWU 22 001H

Sample ID: 2004c19-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-1 0-1'	Batch ID: 52191	RunNo: 68583								
Prep Date: 4/30/2020	Analysis Date: 5/2/2020	SeqNo: 2373054 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9579	0	101	78.5	119			
Toluene	1.0	0.048	0.9579	0.01780	104	75.7	123			
Ethylbenzene	1.0	0.048	0.9579	0	107	74.3	126			
Xylenes, Total	3.1	0.096	2.874	0	107	72.9	130			
Surr: 4-Bromofluorobenzene	1.0		0.9579		106	80	120			

Sample ID: 2004c19-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-1 0-1'	Batch ID: 52191	RunNo: 68583								
Prep Date: 4/30/2020	Analysis Date: 5/2/2020	SeqNo: 2373055 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9747	0	97.0	78.5	119	2.09	20	
Toluene	1.0	0.049	0.9747	0.01780	101	75.7	123	1.67	20	
Ethylbenzene	1.0	0.049	0.9747	0	104	74.3	126	0.919	20	
Xylenes, Total	3.0	0.097	2.924	0	104	72.9	130	1.25	20	
Surr: 4-Bromofluorobenzene	0.98		0.9747		101	80	120	0	0	

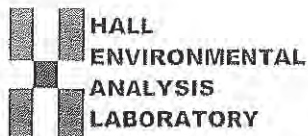
Sample ID: LCS-52191	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 52191	RunNo: 68583								
Prep Date: 4/30/2020	Analysis Date: 5/1/2020	SeqNo: 2373083 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.1	80	120			
Toluene	0.98	0.050	1.000	0	97.9	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID: mb-52191	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 52191	RunNo: 68583								
Prep Date: 4/30/2020	Analysis Date: 5/1/2020	SeqNo: 2373085 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.4	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: TALON ARTESIA

Work Order Number: 2004C19

RcptNo: 1

Received By: Juan Rojas

4/30/2020 9:00:00 AM

Completed By: Isalah Ortiz

4/30/2020 9:05:33 AM

Reviewed By: DAD 4/30/20

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:
 (<2 or >12 unless noted)
 Adjusted?
 Checked by: JR 4/30/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	Good	Not Present			

HALL ENVIRONMENTAL ANALYTICS LABORATORY

Tel. 505-345-3975 Fax 505-345-4107

[illegible]

				Cooler Temp (including CF): 2740-27		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No 2004019
4-29-20	08:30	soil	S-1 0-1'	402 jar	ice	-001
	08:40		S-2 0-1'			-002
	08:50		S-3 0-1'			-003
	09:00		S-4 0-1'			-004
	09:10		S-5 0-1'			-005
	09:20		S-6 0-1'			-006
	09:30		S-7 0-1'			-007
	09:40		S-8 0-1'			-008
	09:50		S-9 0-1'			-009
	10:00		S-10 0-1'			-010

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/29	3:45	[Signature]	[Signature]		4/29/20	1545
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/29/20	1:00	[Signature]	[Signature]	courier	4/30/20	9:00

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of the

Remarks: Please cc the following via email:
Dadkins@talonlpe.com
Rpons@talonlpe.com
bsinclair@talonlpe.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 28, 2020

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX:

RE: Diamond PWU 22 001 H

OrderNo.: 2009A90

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 35 sample(s) on 9/18/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 1-2'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:00:00 AM

Lab ID: 2009A90-001

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/23/2020 5:41:19 AM	55370

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 2-3'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:05:00 AM

Lab ID: 2009A90-002

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/23/2020 9:15:38 PM	55380

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 2 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 3-4'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:10:00 AM

Lab ID: 2009A90-003

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/23/2020 9:52:39 PM	55380

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 1-2'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:20:00 AM

Lab ID: 2009A90-004

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1800	60		mg/Kg	20	9/23/2020 10:05:02 PM	55380
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2020 2:18:48 AM	55278
Surr: BFB	100	70-130		%Rec	1	9/21/2020 2:18:48 AM	55278
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/21/2020 12:24:06 PM	55283
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2020 12:24:06 PM	55283
Surr: DNOP	123	30.4-154		%Rec	1	9/21/2020 12:24:06 PM	55283

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 2-3'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:25:00 AM

Lab ID: 2009A90-005

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	100	60		mg/Kg	20	9/23/2020 10:17:23 PM	55380
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/21/2020 2:47:12 AM	55278
Surr: BFB	97.4	70-130		%Rec	1	9/21/2020 2:47:12 AM	55278
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/21/2020 12:33:40 PM	55283
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/21/2020 12:33:40 PM	55283
Surr: DNOP	116	30.4-154		%Rec	1	9/21/2020 12:33:40 PM	55283

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 5 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 3-4'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:30:00 AM

Lab ID: 2009A90-006

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	9/23/2020 10:29:43 PM	55380
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2020 3:15:34 AM	55278
Surr: BFB	100	70-130		%Rec	1	9/21/2020 3:15:34 AM	55278
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/21/2020 12:43:17 PM	55283
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/21/2020 12:43:17 PM	55283
Surr: DNOP	115	30.4-154		%Rec	1	9/21/2020 12:43:17 PM	55283

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 6 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 4-5'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:35:00 AM

Lab ID: 2009A90-007

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1000	59		mg/Kg	20	9/23/2020 11:06:45 PM	55380
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2020 3:44:04 AM	55278
Surr: BFB	103	70-130		%Rec	1	9/21/2020 3:44:04 AM	55278
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/21/2020 12:52:55 PM	55283
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2020 12:52:55 PM	55283
Surr: DNOP	108	30.4-154		%Rec	1	9/21/2020 12:52:55 PM	55283

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RI	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 7 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 5-6'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:40:00 AM

Lab ID: 2009A90-008

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	140	60		mg/Kg	20	9/23/2020 11:19:05 PM	55380
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2020 4:12:34 AM	55278
Surr: BFB	104	70-130		%Rec	1	9/21/2020 4:12:34 AM	55278
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/21/2020 1:02:34 PM	55283
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2020 1:02:34 PM	55283
Surr: DNOP	80.3	30.4-154		%Rec	1	9/21/2020 1:02:34 PM	55283

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 6-7'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:45:00 AM

Lab ID: 2009A90-009

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	150	60		mg/Kg	20	9/24/2020 7:20:25 AM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 9 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 7-8'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:50:00 AM

Lab ID: 2009A90-010

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	320	60		mg/Kg	20	9/24/2020 7:57:26 AM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 10 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 8-9'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 9:55:00 AM

Lab ID: 2009A90-011

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1400	60		mg/Kg	20	9/24/2020 8:09:46 AM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 11 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 9-10'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:00:00 AM

Lab ID: 2009A90-012

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	330	60		mg/Kg	20	9/24/2020 8:46:48 AM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 12 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S5 10-11'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:05:00 AM

Lab ID: 2009A90-013

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	83	60		mg/Kg	20	9/24/2020 8:59:08 AM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 13 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S5 11-12'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:10:00 AM

Lab ID: 2009A90-014

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	78	60		mg/Kg	20	9/24/2020 9:11:29 AM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 14 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S6 1-2'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:20:00 AM

Lab ID: 2009A90-015

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	5100	300		mg/Kg	100	9/24/2020 6:58:57 PM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 15 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S6 2-3'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:25:00 AM

Lab ID: 2009A90-016

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	5200	300		mg/Kg	100	9/24/2020 7:11:18 PM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 16 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S6 3-4'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:30:00 AM

Lab ID: 2009A90-017

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	6100	300		mg/Kg	100	9/24/2020 7:23:38 PM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 17 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S6 4-5'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:35:00 AM

Lab ID: 2009A90-018

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	7000	300		mg/Kg	100	9/24/2020 7:35:59 PM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	HI	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 18 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S6 5-6'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:40:00 AM

Lab ID: 2009A90-019

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	7500	300		mg/Kg	100	9/24/2020 7:48:20 PM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 19 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S6 6-7'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:45:00 AM

Lab ID: 2009A90-020

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	7200	300		mg/Kg	100	9/24/2020 8:00:40 PM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 20 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S6 7-8'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 10:50:00 AM

Lab ID: 2009A90-021

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	8500	300		mg/Kg	100	9/24/2020 8:13:01 PM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 21 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S8 1-2'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:00:00 AM

Lab ID: 2009A90-022

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1900	60		mg/Kg	20	9/24/2020 2:27:19 PM	55388
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2020 4:40:56 AM	55280
Surr: BFB	102	70-130		%Rec	1	9/21/2020 4:40:56 AM	55280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/22/2020 11:50:41 AM	55297
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/22/2020 11:50:41 AM	55297
Surr: DNOP	143	30.4-154		%Rec	1	9/22/2020 11:50:41 AM	55297

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 22 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S8 2-3'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:05:00 AM

Lab ID: 2009A90-023

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	5400	300		mg/Kg	100	9/25/2020 11:37:13 AM	55388
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2020 6:06:42 AM	55280
Surr: BFB	103	70-130		%Rec	1	9/21/2020 6:06:42 AM	55280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/22/2020 12:19:13 PM	55297
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/22/2020 12:19:13 PM	55297
Surr: DNOP	109	30.4-154		%Rec	1	9/22/2020 12:19:13 PM	55297

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 23 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S8 3-4'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:10:00 AM

Lab ID: 2009A90-024

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	5200	300		mg/Kg	100	9/25/2020 11:49:37 AM	55388

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 24 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S8 4-5'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:15:00 AM

Lab ID: 2009A90-025

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3700	150		mg/Kg	50	9/25/2020 8:27:11 PM	55410

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 25 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S8 5-6'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:20:00 AM

Lab ID: 2009A90-026

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	990	60		mg/Kg	20	9/24/2020 2:00:21 PM	55410

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 26 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S8 6-7'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:25:00 AM

Lab ID: 2009A90-027

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	79	60		mg/Kg	20	9/24/2020 2:12:45 PM	55410

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 27 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S8 7-8'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:30:00 AM

Lab ID: 2009A90-028

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/24/2020 2:25:10 PM	55410

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 28 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S10 1-2'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:40:00 AM

Lab ID: 2009A90-029

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	220	60		mg/Kg	20	9/24/2020 2:37:34 PM	55410
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2020 6:35:12 AM	55280
Surr: BFB	102	70-130		%Rec	1	9/21/2020 6:35:12 AM	55280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/19/2020 11:34:28 AM	55271
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/19/2020 11:34:28 AM	55271
Surr: DNOP	102	30.4-154		%Rec	1	9/19/2020 11:34:28 AM	55271

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 29 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S10 2-3'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:45:00 AM

Lab ID: 2009A90-030

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	74	60		mg/Kg	20	9/24/2020 2:49:59 PM	55410
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2020 7:03:45 AM	55280
Surr: BFB	102	70-130		%Rec	1	9/21/2020 7:03:45 AM	55280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/19/2020 11:44:23 AM	55271
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/19/2020 11:44:23 AM	55271
Surr: DNOP	116	30.4-154		%Rec	1	9/19/2020 11:44:23 AM	55271

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 30 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S10 3-4'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:50:00 AM

Lab ID: 2009A90-031

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/24/2020 3:02:24 PM	55410
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2020 7:32:22 AM	55280
Surr: BFB	104	70-130		%Rec	1	9/21/2020 7:32:22 AM	55280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/19/2020 11:54:20 AM	55271
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/19/2020 11:54:20 AM	55271
Surr: DNOP	116	30.4-154		%Rec	1	9/19/2020 11:54:20 AM	55271

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 31 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S10 4-5'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 11:55:00 AM

Lab ID: 2009A90-032

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	400	59		mg/Kg	20	9/24/2020 3:14:49 PM	55410
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2020 8:00:57 AM	55280
Surr: BFB	103	70-130		%Rec	1	9/21/2020 8:00:57 AM	55280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	1200	95		mg/Kg	10	9/19/2020 12:04:11 PM	55271
Motor Oil Range Organics (MRO)	1900	470		mg/Kg	10	9/19/2020 12:04:11 PM	55271
Surr: DNOP	0	30.4-154	S	%Rec	10	9/19/2020 12:04:11 PM	55271

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 32 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S10 5-6'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 12:00:00 PM

Lab ID: 2009A90-033

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	200	60		mg/Kg	20	9/24/2020 3:52:02 PM	55410
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2020 12:12:13 PM	55280
Surr: BFB	104	70-130		%Rec	1	9/21/2020 12:12:13 PM	55280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	630	92		mg/Kg	10	9/19/2020 12:13:59 PM	55271
Motor Oil Range Organics (MRO)	1000	460		mg/Kg	10	9/19/2020 12:13:59 PM	55271
Surr: DNOP	0	30.4-154	S	%Rec	10	9/19/2020 12:13:59 PM	55271

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 33 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S10 6-7'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 12:05:00 PM

Lab ID: 2009A90-034

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	61	60		mg/Kg	20	9/24/2020 4:04:26 PM	55410
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2020 12:40:40 PM	55280
Surr: BFB	103	70-130		%Rec	1	9/21/2020 12:40:40 PM	55280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	28	9.3		mg/Kg	1	9/19/2020 12:23:45 PM	55271
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/19/2020 12:23:45 PM	55271
Surr: DNOP	114	30.4-154		%Rec	1	9/19/2020 12:23:45 PM	55271

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 34 of 42

Analytical Report

Lab Order 2009A90

Date Reported: 9/28/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S10 7-8'

Project: Diamond PWU 22 001 H

Collection Date: 9/16/2020 12:10:00 PM

Lab ID: 2009A90-035

Matrix: SOIL

Received Date: 9/18/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/24/2020 4:16:51 PM	55410
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2020 1:09:09 PM	55280
Surr: BFB	101	70-130		%Rec	1	9/21/2020 1:09:09 PM	55280
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/19/2020 12:33:30 PM	55271
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/19/2020 12:33:30 PM	55271
Surr: DNOP	95.3	30.4-154		%Rec	1	9/19/2020 12:33:30 PM	55271

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 35 of 42

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009A90

28-Sep-20

Client: Talon Artesia
Project: Diamond PWU 22 001 H

Sample ID: MB-55370	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 55370	RunNo: 72041								
Prep Date: 9/22/2020	Analysis Date: 9/22/2020	SeqNo: 2524536 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-55370	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 55370	RunNo: 72041								
Prep Date: 9/22/2020	Analysis Date: 9/22/2020	SeqNo: 2524537 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.9	90	110			

Sample ID: MB-55380	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 55380	RunNo: 72108								
Prep Date: 9/23/2020	Analysis Date: 9/23/2020	SeqNo: 2526919 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-55380	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 55380	RunNo: 72108								
Prep Date: 9/23/2020	Analysis Date: 9/23/2020	SeqNo: 2526920 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Sample ID: MB-55388	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 55388	RunNo: 72108								
Prep Date: 9/23/2020	Analysis Date: 9/24/2020	SeqNo: 2526979 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-55388	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 55388	RunNo: 72108								
Prep Date: 9/23/2020	Analysis Date: 9/24/2020	SeqNo: 2526980 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Page 36 of 42

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009A90

28-Sep-20

Client: Talon Artesia

Project: Diamond PWU 22 001 H

Sample ID: MB-55410		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 55410		RunNo: 72143						
Prep Date: 9/23/2020		Analysis Date: 9/24/2020		SeqNo: 2528909			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-55410	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 55410	RunNo: 72143								
Prep Date: 9/23/2020	Analysis Date: 9/24/2020	SeqNo: 2528910			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Qualifiers:

+ Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Page 37 of 42

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009A90

28-Sep-20

Client: Talon Artesia
Project: Diamond PWU 22 001 H

Sample ID: LCS-55271	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 55271	RunNo: 71994								
Prep Date: 9/18/2020	Analysis Date: 9/19/2020	SeqNo: 2520477 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.4	70	130			
Surr: DNOP	4.8		5.000		95.5	30.4	154			

Sample ID: MB-55271	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 55271	RunNo: 71994								
Prep Date: 9/18/2020	Analysis Date: 9/19/2020	SeqNo: 2520482 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	30.4	154			

Sample ID: LCS-55283	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 55283	RunNo: 72031								
Prep Date: 9/19/2020	Analysis Date: 9/21/2020	SeqNo: 2522561 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	70	130			
Surr: DNOP	5.4		5.000		108	30.4	154			

Sample ID: MB-55283	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 55283	RunNo: 72031								
Prep Date: 9/19/2020	Analysis Date: 9/21/2020	SeqNo: 2522562 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		127	30.4	154			

Sample ID: 2009A90-022AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S8 1-2'	Batch ID: 55297	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/22/2020	SeqNo: 2524593 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.8	48.83	3.807	88.2	15	184			
Surr: DNOP	4.8		4.883		99.0	30.4	154			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 38 of 42

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009A90

28-Sep-20

Client: Talon Artesia
Project: Diamond PWU 22 001 H

Sample ID: 2009A90-022AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S8 1-2'	Batch ID: 55297	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/22/2020	SeqNo: 2524594 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	9.2	45.83	3.807	107	15	184	11.8	23.9	
Surr: DNOP	5.5		4.583		119	30.4	154	0	0	

Sample ID: LCS-55297	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 55297	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/22/2020	SeqNo: 2524681 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	64	10	50.00	0	127	70	130			
Surr: DNOP	7.7		5.000		154	30.4	154			

Sample ID: LCS-55318	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 55318	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/22/2020	SeqNo: 2524682 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		74.6	30.4	154			

Sample ID: LCS-55322	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 55322	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/22/2020	SeqNo: 2524684 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		80.5	30.4	154			

Sample ID: LCS-55325	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 55325	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/23/2020	SeqNo: 2524685 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.7	30.4	154			

Sample ID: MB-55297	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 55297	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/22/2020	SeqNo: 2524686 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		127	30.4	154			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 39 of 42

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009A90

28-Sep-20

Client: Talon Artesia
Project: Diamond PWU 22 001 H

Sample ID: MB-55318	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 55318	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/22/2020	SeqNo: 2524687 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.2		10.00		72.3	30.4	154			

Sample ID: MB-55322	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 55322	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/22/2020	SeqNo: 2524688 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		86.2	30.4	154			

Sample ID: MB-55325	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 55325	RunNo: 72063								
Prep Date: 9/21/2020	Analysis Date: 9/22/2020	SeqNo: 2524689 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.1		10.00		90.9	30.4	154			

Qualifiers:

* Value exceeds Maximum Contaminant Level
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 40 of 42

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009A90

28-Sep-20

Client: Talon Artesia
Project: Diamond PWU 22 001 H

Sample ID: mb-55278	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 55278	RunNo: 71999								
Prep Date: 9/19/2020	Analysis Date: 9/20/2020	SeqNo: 2520778 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	510		500.0		101	70	130			

Sample ID: lcs-55278	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 55278	RunNo: 71999								
Prep Date: 9/19/2020	Analysis Date: 9/20/2020	SeqNo: 2520779 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.6	70	130			
Surr: BFB	490		500.0		98.5	70	130			

Sample ID: mb-55280	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 55280	RunNo: 71999								
Prep Date: 9/19/2020	Analysis Date: 9/20/2020	SeqNo: 2521020 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	520		500.0		104	70	130			

Sample ID: lcs-55280	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 55280	RunNo: 71999								
Prep Date: 9/19/2020	Analysis Date: 9/20/2020	SeqNo: 2521021 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.4	70	130			
Surr: BFB	520		500.0		104	70	130			

Sample ID: 2009a90-022ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S8 1-2'	Batch ID: 55280	RunNo: 71999								
Prep Date: 9/19/2020	Analysis Date: 9/21/2020	SeqNo: 2521023 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.37	0	89.3	49.2	122			
Surr: BFB	490		487.3		100	70	130			

Sample ID: 2009a90-022amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S8 1-2'	Batch ID: 55280	RunNo: 72064								
Prep Date: 9/19/2020	Analysis Date: 9/22/2020	SeqNo: 2524729 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 41 of 42

QC SUMMARY REPORT

WO#: 2009A90

Hall Environmental Analysis Laboratory, Inc.

28-Sep-20

Client: Talon Artesia

Project: Diamond PWU 22 001 H

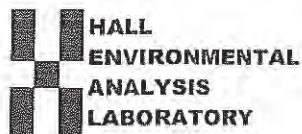
Sample ID: 2009a90-022amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S8 1-2'	Batch ID: 55280	RunNo: 72064								
Prep Date: 9/19/2020	Analysis Date: 9/22/2020	SeqNo: 2524729 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.58	0	82.0	49.2	122	7.67	20	
Surf: BFB	500		491.6		102	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 42 of 42



*Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com*

Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2009A90

ReptNo: 1

Received By: Cheyenne Cason

9/18/2020 8:00:00 AM

Completed By: Juan Rojas

9/18/2020 8:27:22 AM

Reviewed By:

200 4/18/20

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

[Log In](#)

- | | | | |
|--|---|--|--|
| 3. Was an attempt made to cool the samples? | Yes ☒ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C | Yes ☒ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☒ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☒ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☒ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☒ | NA ☐ |
| 9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? | Yes ☐ | No ☐ | NA ☒ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☒ | |
| 11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) | Yes ☒ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☒ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☒ | No ☐ | |
| 14. Were all holding times able to be met?
(If no, notify customer for authorization.) | Yes ☒ | No ☐ | |
- # of preserved bottles checked for pH: (<20)

Adjusted? Adjusted?

Checked by: Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

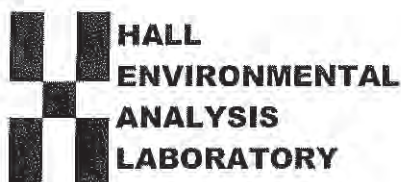
Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.6	Good				



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

October 29, 2020

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX:

RE: Devon Energy Diamond PM4 22 #001H

OrderNo.: 2010B10

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 8 sample(s) on 10/23/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2010B10

Date Reported: 10/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 0-1'

Project: Devon Energy Diamond PM4 22 #001H

Collection Date: 10/21/2020 11:42:00 AM

Lab ID: 2010B10-001

Matrix: SOIL

Received Date: 10/23/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	7400	300		mg/Kg	100	10/27/2020 7:08:00 PM	56038
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/24/2020 4:41:15 PM	56001
Surr: BFB	102	70-130		%Rec	1	10/24/2020 4:41:15 PM	56001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	73	9.5		mg/Kg	1	10/24/2020 3:39:18 PM	56002
Motor Oil Range Organics (MRO)	65	47		mg/Kg	1	10/24/2020 3:39:18 PM	56002
Surr: DNOP	77.5	30.4-154		%Rec	1	10/24/2020 3:39:18 PM	56002
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	10/24/2020 4:41:15 PM	56001
Toluene	ND	0.049		mg/Kg	1	10/24/2020 4:41:15 PM	56001
Ethylbenzene	ND	0.049		mg/Kg	1	10/24/2020 4:41:15 PM	56001
Xylenes, Total	ND	0.099		mg/Kg	1	10/24/2020 4:41:15 PM	56001
Surr: 1,2-Dichloroethane-d4	95.1	70-130		%Rec	1	10/24/2020 4:41:15 PM	56001
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/24/2020 4:41:15 PM	56001
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/24/2020 4:41:15 PM	56001
Surr: Toluene-d8	98.7	70-130		%Rec	1	10/24/2020 4:41:15 PM	56001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 13

Analytical Report

Lab Order 2010B10

Date Reported: 10/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12 0-1'

Project: Devon Energy Diamond PM4 22 #001H

Collection Date: 10/21/2020 11:47:00 AM

Lab ID: 2010B10-002

Matrix: SOIL

Received Date: 10/23/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	20000	1500		mg/Kg	500	10/27/2020 7:20:24 PM	56038
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/24/2020 6:07:09 PM	56001
Surr: BFB	108	70-130		%Rec	1	10/24/2020 6:07:09 PM	56001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/24/2020 4:52:25 PM	56002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/24/2020 4:52:25 PM	56002
Surr: DNOP	120	30.4-154		%Rec	1	10/24/2020 4:52:25 PM	56002
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	10/24/2020 6:07:09 PM	56001
Toluene	ND	0.049		mg/Kg	1	10/24/2020 6:07:09 PM	56001
Ethylbenzene	ND	0.049		mg/Kg	1	10/24/2020 6:07:09 PM	56001
Xylenes, Total	ND	0.098		mg/Kg	1	10/24/2020 6:07:09 PM	56001
Surr: 1,2-Dichloroethane-d4	93.2	70-130		%Rec	1	10/24/2020 6:07:09 PM	56001
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	10/24/2020 6:07:09 PM	56001
Surr: Dibromofluoromethane	110	70-130		%Rec	1	10/24/2020 6:07:09 PM	56001
Surr: Toluene-d8	111	70-130		%Rec	1	10/24/2020 6:07:09 PM	56001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 13

Analytical Report

Lab Order 2010B10

Date Reported: 10/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13 0-1'

Project: Devon Energy Diamond PM4 22 #001H

Collection Date: 10/21/2020 11:51:00 AM

Lab ID: 2010B10-003

Matrix: SOIL

Received Date: 10/23/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	29000	1500		mg/Kg	500	10/27/2020 7:32:48 PM	56038
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/24/2020 7:32:44 PM	56001
Surr: BFB	106	70-130		%Rec	1	10/24/2020 7:32:44 PM	56001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/24/2020 5:16:46 PM	56002
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/24/2020 5:16:46 PM	56002
Surr: DNOP	68.8	30.4-154		%Rec	1	10/24/2020 5:16:46 PM	56002
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	10/24/2020 7:32:44 PM	56001
Toluene	ND	0.049		mg/Kg	1	10/24/2020 7:32:44 PM	56001
Ethylbenzene	ND	0.049		mg/Kg	1	10/24/2020 7:32:44 PM	56001
Xylenes, Total	ND	0.098		mg/Kg	1	10/24/2020 7:32:44 PM	56001
Surr: 1,2-Dichloroethane-d4	93.8	70-130		%Rec	1	10/24/2020 7:32:44 PM	56001
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/24/2020 7:32:44 PM	56001
Surr: Dibromofluoromethane	108	70-130		%Rec	1	10/24/2020 7:32:44 PM	56001
Surr: Toluene-d8	105	70-130		%Rec	1	10/24/2020 7:32:44 PM	56001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Page 3 of 13

Analytical Report

Lab Order 2010B10

Date Reported: 10/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-14 0-1'

Project: Devon Energy Diamond PM4 22 #001H

Collection Date: 10/21/2020 11:56:00 AM

Lab ID: 2010B10-004

Matrix: SOIL

Received Date: 10/23/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	61		mg/Kg	20	10/26/2020 4:10:00 PM	56038
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/24/2020 8:01:26 PM	56001
Surr: BFB	103	70-130		%Rec	1	10/24/2020 8:01:26 PM	56001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/24/2020 5:41:11 PM	56002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/24/2020 5:41:11 PM	56002
Surr: DNOP	117	30.4-154		%Rec	1	10/24/2020 5:41:11 PM	56002
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	10/24/2020 8:01:26 PM	56001
Toluene	ND	0.050		mg/Kg	1	10/24/2020 8:01:26 PM	56001
Ethylbenzene	ND	0.050		mg/Kg	1	10/24/2020 8:01:26 PM	56001
Xylenes, Total	ND	0.10		mg/Kg	1	10/24/2020 8:01:26 PM	56001
Surr: 1,2-Dichloroethane-d4	92.0	70-130		%Rec	1	10/24/2020 8:01:26 PM	56001
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/24/2020 8:01:26 PM	56001
Surr: Dibromofluoromethane	103	70-130		%Rec	1	10/24/2020 8:01:26 PM	56001
Surr: Toluene-d8	98.7	70-130		%Rec	1	10/24/2020 8:01:26 PM	56001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:		*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		F	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Page 4 of 13

Analytical Report

Lab Order 2010B10

Date Reported: 10/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-15 0-1'

Project: Devon Energy Diamond PM4 22 #001H

Collection Date: 10/21/2020 12:02:00 PM

Lab ID: 2010B10-005

Matrix: SOIL

Received Date: 10/23/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/26/2020 4:22:24 PM	56038
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/24/2020 8:30:00 PM	56001
Surr: BFB	107	70-130		%Rec	1	10/24/2020 8:30:00 PM	56001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/24/2020 6:05:34 PM	56002
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/24/2020 6:05:34 PM	56002
Surr: DNOP	80.9	30.4-154		%Rec	1	10/24/2020 6:05:34 PM	56002
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	10/24/2020 8:30:00 PM	56001
Toluene	ND	0.049		mg/Kg	1	10/24/2020 8:30:00 PM	56001
Ethylbenzene	ND	0.049		mg/Kg	1	10/24/2020 8:30:00 PM	56001
Xylenes, Total	ND	0.098		mg/Kg	1	10/24/2020 8:30:00 PM	56001
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	10/24/2020 8:30:00 PM	56001
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/24/2020 8:30:00 PM	56001
Surr: Dibromofluoromethane	107	70-130		%Rec	1	10/24/2020 8:30:00 PM	56001
Surr: Toluene-d8	106	70-130		%Rec	1	10/24/2020 8:30:00 PM	56001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 5 of 13

Analytical Report

Lab Order 2010B10

Date Reported: 10/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-16 0-1'

Project: Devon Energy Diamond PM4 22 #001H

Collection Date: 10/21/2020 12:05:00 PM

Lab ID: 2010B10-006

Matrix: SOIL

Received Date: 10/23/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/26/2020 4:34:48 PM	56038
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/24/2020 8:58:25 PM	56001
Surr: BFB	102	70-130		%Rec	1	10/24/2020 8:58:25 PM	56001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/24/2020 6:30:00 PM	56002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/24/2020 6:30:00 PM	56002
Surr: DNOP	107	30.4-154		%Rec	1	10/24/2020 6:30:00 PM	56002
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	10/24/2020 8:58:25 PM	56001
Toluene	ND	0.048		mg/Kg	1	10/24/2020 8:58:25 PM	56001
Ethylbenzene	ND	0.048		mg/Kg	1	10/24/2020 8:58:25 PM	56001
Xylenes, Total	ND	0.097		mg/Kg	1	10/24/2020 8:58:25 PM	56001
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	10/24/2020 8:58:25 PM	56001
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/24/2020 8:58:25 PM	56001
Surr: Dibromofluoromethane	107	70-130		%Rec	1	10/24/2020 8:58:25 PM	56001
Surr: Toluene-d8	105	70-130		%Rec	1	10/24/2020 8:58:25 PM	56001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 6 of 13

Analytical Report

Lab Order 2010B10

Date Reported: 10/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-17 0-1'

Project: Devon Energy Diamond PM4 22 #001H

Collection Date: 10/21/2020 12:08:00 PM

Lab ID: 2010B10-007

Matrix: SOIL

Received Date: 10/23/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	170	60		mg/Kg	20	10/26/2020 4:47:13 PM	56038
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/24/2020 9:27:02 PM	56001
Surr: BFB	106	70-130		%Rec	1	10/24/2020 9:27:02 PM	56001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/24/2020 6:54:22 PM	56002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/24/2020 6:54:22 PM	56002
Surr: DNOP	84.3	30.4-154		%Rec	1	10/24/2020 6:54:22 PM	56002
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	10/24/2020 9:27:02 PM	56001
Toluene	ND	0.050		mg/Kg	1	10/24/2020 9:27:02 PM	56001
Ethylbenzene	ND	0.050		mg/Kg	1	10/24/2020 9:27:02 PM	56001
Xylenes, Total	ND	0.10		mg/Kg	1	10/24/2020 9:27:02 PM	56001
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	10/24/2020 9:27:02 PM	56001
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/24/2020 9:27:02 PM	56001
Surr: Dibromofluoromethane	104	70-130		%Rec	1	10/24/2020 9:27:02 PM	56001
Surr: Toluene-d8	105	70-130		%Rec	1	10/24/2020 9:27:02 PM	56001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 7 of 13

Analytical Report

Lab Order 2010B10

Date Reported: 10/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-18 0-1'

Project: Devon Energy Diamond PM4 22 #001H

Collection Date: 10/21/2020 12:15:00 PM

Lab ID: 2010B10-008

Matrix: SOIL

Received Date: 10/23/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	200	60		mg/Kg	20	10/26/2020 4:59:38 PM	56038
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/24/2020 9:55:32 PM	56001
Surr: BFB	106	70-130		%Rec	1	10/24/2020 9:55:32 PM	56001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/24/2020 7:18:45 PM	56002
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/24/2020 7:18:45 PM	56002
Surr: DNOP	116	30.4-154		%Rec	1	10/24/2020 7:18:45 PM	56002
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	10/24/2020 9:55:32 PM	56001
Toluene	ND	0.050		mg/Kg	1	10/24/2020 9:55:32 PM	56001
Ethylbenzene	ND	0.050		mg/Kg	1	10/24/2020 9:55:32 PM	56001
Xylenes, Total	ND	0.10		mg/Kg	1	10/24/2020 9:55:32 PM	56001
Surr: 1,2-Dichloroethane-d4	95.3	70-130		%Rec	1	10/24/2020 9:55:32 PM	56001
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/24/2020 9:55:32 PM	56001
Surr: Dibromofluoromethane	104	70-130		%Rec	1	10/24/2020 9:55:32 PM	56001
Surr: Toluene-d8	106	70-130		%Rec	1	10/24/2020 9:55:32 PM	56001

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2010B10

29-Oct-20

Client: Talon Artesia**Project:** Devon Energy Diamond PM4 22 #001H

Sample ID: MB-56038	SampType: mbik	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 56038	RunNo: 72931								
Prep Date: 10/26/2020	Analysis Date: 10/26/2020	SeqNo: 2564017 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56038	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 56038	RunNo: 72931								
Prep Date: 10/26/2020	Analysis Date: 10/26/2020	SeqNo: 2564018 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 9 of 13

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2010B10

29-Oct-20

Client: Talon Artesia

Project: Devon Energy Diamond PM4 22 #001H

Sample ID: MB-56002	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 56002	RunNo: 72912								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562944 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		107	30.4	154			

Sample ID: LCS-56002	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 56002	RunNo: 72912								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562945 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.9	70	130			
Surr: DNOP	5.1		5.000		101	30.4	154			

Sample ID: 2010B10-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-11 0-1'	Batch ID: 56002	RunNo: 72912								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562947 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	130	9.7	48.59	73.46	116	15	184			
Surr: DNOP	5.0		4.859		103	30.4	154			

Sample ID: 2010B10-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-11 0-1'	Batch ID: 56002	RunNo: 72912								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562948 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	150	9.8	49.07	73.46	153	15	184	13.7	23.9	
Surr: DNOP	4.9		4.907		99.9	30.4	154	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2010B10

29-Oct-20

Client: Talon Artesia

Project: Devon Energy Diamond PM4 22 #001H

Sample ID: mb-56001	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 56001	RunNo: 72901								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562492 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.3	70	130			
Surr: 4-Bromofluorobenzene	0.55		0.5000		111	70	130			
Surr: Dibromofluoromethane	0.56		0.5000		111	70	130			
Surr: Toluene-d8	0.54		0.5000		109	70	130			

Sample ID: lcs-56001	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 56001	RunNo: 72901								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562493 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	1.0	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		91.9	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		103	70	130			
Surr: Toluene-d8	0.52		0.5000		103	70	130			

Sample ID: 2010b10-001ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: S-11 0-1'	Batch ID: 56001	RunNo: 72901								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562495 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9960	0	104	71.1	115			
Toluene	1.3	0.050	0.9960	0.008087	125	79.6	132			
Ethylbenzene	1.2	0.050	0.9960	0	125	83.8	134			
Xylenes, Total	3.8	0.10	2.988	0	126	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.49		0.4980		98.5	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.4980		100	70	130			
Surr: Dibromofluoromethane	0.53		0.4980		107	70	130			
Surr: Toluene-d8	0.53		0.4980		106	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 11 of 13

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2010B10

29-Oct-20

Client: Talon Artesia

Project: Devon Energy Diamond PM4 22 #001H

Sample ID: 2010b10-001amsd		SampType: MSD4		TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: S-11 0-1'		Batch ID: 56001		RunNo: 72901						
Prep Date: 10/23/2020		Analysis Date: 10/24/2020		SeqNo: 2562496		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9737	0	107	71.1	115	0.193	20	
Toluene	1.2	0.049	0.9737	0.008087	120	79.6	132	6.12	20	
Ethylbenzene	1.2	0.049	0.9737	0	125	83.8	134	2.38	20	
Xylenes, Total	3.7	0.097	2.921	0	128	82.4	132	1.33	20	
Surr: 1,2-Dichloroethane-d4	0.45		0.4869		93.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.53		0.4869		108	70	130	0	0	
Surr: Dibromofluoromethane	0.54		0.4869		111	70	130	0	0	
Surr: Toluene-d8	0.51		0.4869		106	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 12 of 13

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2010B10

29-Oct-20

Client: Talon Artesia**Project:** Devon Energy Diamond PM4 22 #001H

Sample ID: mb-56001	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 56001	RunNo: 72901								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562518 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	540		500.0		109	70	130			

Sample ID: lcs-56001	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 56001	RunNo: 72901								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562519 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.9	70	130			
Surr: BFB	520		500.0		103	70	130			

Sample ID: 2010b10-002ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S-12 0-1'	Batch ID: 56001	RunNo: 72901								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562522 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.98	0	113	49.2	122			
Surr: BFB	510		499.5		103	70	130			

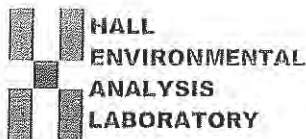
Sample ID: 2010b10-002amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S-12 0-1'	Batch ID: 56001	RunNo: 72901								
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562523 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	24.88	0	110	49.2	122	3.67	20	
Surr: BFB	500		497.5		101	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 13 of 13



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2010B10

RcptNo: 1

Received By: Cheyenne Cason 10/23/2020 8:00:00 AM

Completed By: Isaiah Ortiz 10/23/2020 8:17:12 AM

Reviewed By: SPA 10.23.20

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☒ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: JR 10/23/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.2	Good	Not Present			
2	4.0	Good	Not Present			
3	-0.6	Good	Not Present			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

December 03, 2020

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX:

RE: Devon Energy Diamond PWU 22 001H

OrderNo.: 2011C43

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 27 sample(s) on 11/25/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 2'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:35:00 PM

Lab ID: 2011C43-001

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3000	150		mg/Kg	50	11/30/2020 11:25:20 AM	56676
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/28/2020 5:08:27 PM	56663
Surr: BFB	103	70-130		%Rec	1	11/28/2020 5:08:27 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/1/2020 12:03:16 PM	56713
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/1/2020 12:03:16 PM	56713
Surr: DNOP	129	30.4-154		%Rec	1	12/1/2020 12:03:16 PM	56713
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	11/28/2020 5:08:27 PM	56663
Toluene	ND	0.047		mg/Kg	1	11/28/2020 5:08:27 PM	56663
Ethylbenzene	ND	0.047		mg/Kg	1	11/28/2020 5:08:27 PM	56663
Xylenes, Total	ND	0.094		mg/Kg	1	11/28/2020 5:08:27 PM	56663
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	11/28/2020 5:08:27 PM	56663
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	11/28/2020 5:08:27 PM	56663
Surr: Dibromofluoromethane	112	70-130		%Rec	1	11/28/2020 5:08:27 PM	56663
Surr: Toluene-d8	92.3	70-130		%Rec	1	11/28/2020 5:08:27 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 3'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:35:00 PM

Lab ID: 2011C43-002

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2100	150		mg/Kg	50	11/30/2020 11:37:45 AM	56663
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/28/2020 5:36:54 PM	56663
Surr: BFB	101	70-130		%Rec	1	11/28/2020 5:36:54 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	33	9.8		mg/Kg	1	12/1/2020 12:12:48 PM	56713
Motor Oil Range Organics (MRO)	58	49		mg/Kg	1	12/1/2020 12:12:48 PM	56713
Surr: DNOP	120	30.4-154		%Rec	1	12/1/2020 12:12:48 PM	56713
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/28/2020 5:36:54 PM	56663
Toluene	ND	0.047		mg/Kg	1	11/28/2020 5:36:54 PM	56663
Ethylbenzene	ND	0.047		mg/Kg	1	11/28/2020 5:36:54 PM	56663
Xylenes, Total	ND	0.094		mg/Kg	1	11/28/2020 5:36:54 PM	56663
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	11/28/2020 5:36:54 PM	56663
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	11/28/2020 5:36:54 PM	56663
Surr: Dibromofluoromethane	109	70-130		%Rec	1	11/28/2020 5:36:54 PM	56663
Surr: Toluene-d8	88.8	70-130		%Rec	1	11/28/2020 5:36:54 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 2 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 4'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:40:00 PM

Lab ID: 2011C43-003

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	99	59		mg/Kg	20	11/27/2020 3:05:24 AM	56676
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/28/2020 6:05:27 PM	56663
Surr: BFB	108	70-130		%Rec	1	11/28/2020 6:05:27 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/1/2020 12:22:22 PM	56713
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/1/2020 12:22:22 PM	56713
Surr: DNOP	114	30.4-154		%Rec	1	12/1/2020 12:22:22 PM	56713
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	11/28/2020 6:05:27 PM	56663
Toluene	ND	0.046		mg/Kg	1	11/28/2020 6:05:27 PM	56663
Ethylbenzene	ND	0.046		mg/Kg	1	11/28/2020 6:05:27 PM	56663
Xylenes, Total	ND	0.093		mg/Kg	1	11/28/2020 6:05:27 PM	56663
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	11/28/2020 6:05:27 PM	56663
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	11/28/2020 6:05:27 PM	56663
Surr: Dibromofluoromethane	116	70-130		%Rec	1	11/28/2020 6:05:27 PM	56663
Surr: Toluene-d8	90.4	70-130		%Rec	1	11/28/2020 6:05:27 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 3 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 6'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:40:00 PM

Lab ID: 2011C43-004

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	97	60		mg/Kg	20	11/27/2020 3:17:49 AM	56676

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 4 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 8'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:45:00 PM

Lab ID: 2011C43-005

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	4100	150		mg/Kg	50	11/30/2020 12:14:58 PM	56676

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 10'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:45:00 PM

Lab ID: 2011C43-006

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1400	59		mg/Kg	20	11/27/2020 3:42:38 AM	56676

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 6 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 12' R

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:45:00 PM

Lab ID: 2011C43-007

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	150	61		mg/Kg	20	11/27/2020 3:55:03 AM	56676

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12 2'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 11:15:00 AM

Lab ID: 2011C43-008

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	11/27/2020 4:32:16 AM	56676
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/28/2020 6:34:01 PM	56663
Surr: BFB	106	70-130		%Rec	1	11/28/2020 6:34:01 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/1/2020 12:31:57 PM	56713
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/1/2020 12:31:57 PM	56713
Surr: DNOP	90.9	30.4-154		%Rec	1	12/1/2020 12:31:57 PM	56713
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	11/28/2020 6:34:01 PM	56663
Toluene	ND	0.049		mg/Kg	1	11/28/2020 6:34:01 PM	56663
Ethylbenzene	ND	0.049		mg/Kg	1	11/28/2020 6:34:01 PM	56663
Xylenes, Total	ND	0.099		mg/Kg	1	11/28/2020 6:34:01 PM	56663
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	1	11/28/2020 6:34:01 PM	56663
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	11/28/2020 6:34:01 PM	56663
Surr: Dibromofluoromethane	116	70-130		%Rec	1	11/28/2020 6:34:01 PM	56663
Surr: Toluene-d8	92.8	70-130		%Rec	1	11/28/2020 6:34:01 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 8 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12 3'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 11:15:00 AM

Lab ID: 2011C43-009

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	200	61		mg/Kg	20	11/27/2020 4:44:41 AM	56676
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/28/2020 7:02:30 PM	56663
Surr: BFB	101	70-130		%Rec	1	11/28/2020 7:02:30 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/1/2020 12:41:32 PM	56713
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/1/2020 12:41:32 PM	56713
Surr: DNOP	117	30.4-154		%Rec	1	12/1/2020 12:41:32 PM	56713
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/28/2020 7:02:30 PM	56663
Toluene	ND	0.047		mg/Kg	1	11/28/2020 7:02:30 PM	56663
Ethylbenzene	ND	0.047		mg/Kg	1	11/28/2020 7:02:30 PM	56663
Xylenes, Total	ND	0.094		mg/Kg	1	11/28/2020 7:02:30 PM	56663
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	11/28/2020 7:02:30 PM	56663
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	11/28/2020 7:02:30 PM	56663
Surr: Dibromofluoromethane	110	70-130		%Rec	1	11/28/2020 7:02:30 PM	56663
Surr: Toluene-d8	85.7	70-130		%Rec	1	11/28/2020 7:02:30 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 9 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12 4'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 11:20:00 AM

Lab ID: 2011C43-010

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	290	61		mg/Kg	20	11/27/2020 4:57:05 AM	56676
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/28/2020 7:31:01 PM	56663
Surr: BFB	104	70-130		%Rec	1	11/28/2020 7:31:01 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	12/1/2020 12:51:09 PM	56713
Motor Oil Range Organics (MRO)	60	43		mg/Kg	1	12/1/2020 12:51:09 PM	56713
Surr: DNOP	92.8	30.4-154		%Rec	1	12/1/2020 12:51:09 PM	56713
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/28/2020 7:31:01 PM	56663
Toluene	ND	0.048		mg/Kg	1	11/28/2020 7:31:01 PM	56663
Ethylbenzene	ND	0.048		mg/Kg	1	11/28/2020 7:31:01 PM	56663
Xylenes, Total	ND	0.096		mg/Kg	1	11/28/2020 7:31:01 PM	56663
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	11/28/2020 7:31:01 PM	56663
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	11/28/2020 7:31:01 PM	56663
Surr: Dibromofluoromethane	113	70-130		%Rec	1	11/28/2020 7:31:01 PM	56663
Surr: Toluene-d8	89.9	70-130		%Rec	1	11/28/2020 7:31:01 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12 6'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 11:20:00 AM

Lab ID: 2011C43-011

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	300	60		mg/Kg	20	11/27/2020 5:34:19 AM	56676

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12 8'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 11:30:00 AM

Lab ID: 2011C43-012

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	240	60		mg/Kg	20	11/28/2020 10:32:51 AM	56677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 12 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12 10' R

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 11:50:00 AM

Lab ID: 2011C43-013

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	170	60		mg/Kg	20	11/28/2020 11:10:05 AM	56677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 13 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13 2'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:00:00 PM

Lab ID: 2011C43-014

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	680	60		mg/Kg	20	11/28/2020 11:22:30 AM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/28/2020 7:59:34 PM	56663
Surr: BFB	101	70-130		%Rec	1	11/28/2020 7:59:34 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/30/2020 11:02:34 AM	56680
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2020 11:02:34 AM	56680
Surr: DNOP	83.0	30.4-154		%Rec	1	11/30/2020 11:02:34 AM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	11/28/2020 7:59:34 PM	56663
Toluene	ND	0.046		mg/Kg	1	11/28/2020 7:59:34 PM	56663
Ethylbenzene	ND	0.046		mg/Kg	1	11/28/2020 7:59:34 PM	56663
Xylenes, Total	ND	0.092		mg/Kg	1	11/28/2020 7:59:34 PM	56663
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	11/28/2020 7:59:34 PM	56663
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	11/28/2020 7:59:34 PM	56663
Surr: Dibromofluoromethane	116	70-130		%Rec	1	11/28/2020 7:59:34 PM	56663
Surr: Toluene-d8	89.2	70-130		%Rec	1	11/28/2020 7:59:34 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 14 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13 3'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:00:00 PM

Lab ID: 2011C43-015

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	81	60		mg/Kg	20	11/28/2020 11:34:55 AM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/28/2020 8:28:04 PM	56663
Surr: BFB	105	70-130		%Rec	1	11/28/2020 8:28:04 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/30/2020 11:12:03 AM	56680
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/30/2020 11:12:03 AM	56680
Surr: DNOP	76.5	30.4-154		%Rec	1	11/30/2020 11:12:03 AM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	11/28/2020 8:28:04 PM	56663
Toluene	ND	0.046		mg/Kg	1	11/28/2020 8:28:04 PM	56663
Ethylbenzene	ND	0.046		mg/Kg	1	11/28/2020 8:28:04 PM	56663
Xylenes, Total	ND	0.093		mg/Kg	1	11/28/2020 8:28:04 PM	56663
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	11/28/2020 8:28:04 PM	56663
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/28/2020 8:28:04 PM	56663
Surr: Dibromofluoromethane	109	70-130		%Rec	1	11/28/2020 8:28:04 PM	56663
Surr: Toluene-d8	91.7	70-130		%Rec	1	11/28/2020 8:28:04 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Page 15 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13 4'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:15:00 PM

Lab ID: 2011C43-016

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	9200	600		mg/Kg	200	11/30/2020 12:27:22 PM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/28/2020 8:56:33 PM	56663
Surr: BFB	101	70-130		%Rec	1	11/28/2020 8:56:33 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	17	9.6		mg/Kg	1	11/30/2020 11:21:33 AM	56680
Motor Oil Range Organics (MRO)	78	48		mg/Kg	1	11/30/2020 11:21:33 AM	56680
Surr: DNOP	88.1	30.4-154		%Rec	1	11/30/2020 11:21:33 AM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/28/2020 8:56:33 PM	56663
Toluene	ND	0.048		mg/Kg	1	11/28/2020 8:56:33 PM	56663
Ethylbenzene	ND	0.048		mg/Kg	1	11/28/2020 8:56:33 PM	56663
Xylenes, Total	ND	0.096		mg/Kg	1	11/28/2020 8:56:33 PM	56663
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	11/28/2020 8:56:33 PM	56663
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	11/28/2020 8:56:33 PM	56663
Surr: Dibromofluoromethane	112	70-130		%Rec	1	11/28/2020 8:56:33 PM	56663
Surr: Toluene-d8	90.9	70-130		%Rec	1	11/28/2020 8:56:33 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 16 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13 6'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:15:00 PM

Lab ID: 2011C43-017

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	11/28/2020 11:59:44 AM	56677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- II Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 17 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13 8'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:20:00 PM

Lab ID: 2011C43-018

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	4800	150		mg/Kg	50	11/30/2020 12:39:47 PM	56677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RI	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 18 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13 10' R

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/19/2020 1:25:00 PM

Lab ID: 2011C43-019

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	11/28/2020 12:24:32 PM	56677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 19 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-14 1'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/20/2020 9:00:00 AM

Lab ID: 2011C43-020

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	150	59		mg/Kg	20	11/28/2020 12:36:56 PM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/28/2020 9:25:00 PM	56663
Surr: BFB	104	70-130		%Rec	1	11/28/2020 9:25:00 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/30/2020 11:31:03 AM	56680
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2020 11:31:03 AM	56680
Surr: DNOP	73.1	30.4-154		%Rec	1	11/30/2020 11:31:03 AM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	11/28/2020 9:25:00 PM	56663
Toluene	ND	0.049		mg/Kg	1	11/28/2020 9:25:00 PM	56663
Ethylbenzene	ND	0.049		mg/Kg	1	11/28/2020 9:25:00 PM	56663
Xylenes, Total	ND	0.099		mg/Kg	1	11/28/2020 9:25:00 PM	56663
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	11/28/2020 9:25:00 PM	56663
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	11/28/2020 9:25:00 PM	56663
Surr: Dibromofluoromethane	109	70-130		%Rec	1	11/28/2020 9:25:00 PM	56663
Surr: Toluene-d8	90.4	70-130		%Rec	1	11/28/2020 9:25:00 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 20 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-14 2'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/20/2020 9:00:00 AM

Lab ID: 2011C43-021

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	65	59		mg/Kg	20	11/28/2020 12:49:21 PM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/28/2020 9:53:25 PM	56663
Surr: BFB	102	70-130		%Rec	1	11/28/2020 9:53:25 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/30/2020 11:40:33 AM	56680
Motor Oil Range Organics (MRO)	48	48		mg/Kg	1	11/30/2020 11:40:33 AM	56680
Surr: DNOP	98.0	30.4-154		%Rec	1	11/30/2020 11:40:33 AM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	11/28/2020 9:53:25 PM	56663
Toluene	ND	0.049		mg/Kg	1	11/28/2020 9:53:25 PM	56663
Ethylbenzene	ND	0.049		mg/Kg	1	11/28/2020 9:53:25 PM	56663
Xylenes, Total	ND	0.099		mg/Kg	1	11/28/2020 9:53:25 PM	56663
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	11/28/2020 9:53:25 PM	56663
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	11/28/2020 9:53:25 PM	56663
Surr: Dibromofluoromethane	108	70-130		%Rec	1	11/28/2020 9:53:25 PM	56663
Surr: Toluene-d8	86.3	70-130		%Rec	1	11/28/2020 9:53:25 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 21 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-14 3'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/20/2020 9:15:00 AM

Lab ID: 2011C43-022

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	190	61		mg/Kg	20	11/28/2020 1:01:46 PM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/28/2020 10:21:47 PM	56663
Surr: BFB	105	70-130		%Rec	1	11/28/2020 10:21:47 PM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/30/2020 11:50:04 AM	56680
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2020 11:50:04 AM	56680
Surr: DNOP	84.1	30.4-154		%Rec	1	11/30/2020 11:50:04 AM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/28/2020 10:21:47 PM	56663
Toluene	ND	0.048		mg/Kg	1	11/28/2020 10:21:47 PM	56663
Ethylbenzene	ND	0.048		mg/Kg	1	11/28/2020 10:21:47 PM	56663
Xylenes, Total	ND	0.095		mg/Kg	1	11/28/2020 10:21:47 PM	56663
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	11/28/2020 10:21:47 PM	56663
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	11/28/2020 10:21:47 PM	56663
Surr: Dibromofluoromethane	113	70-130		%Rec	1	11/28/2020 10:21:47 PM	56663
Surr: Toluene-d8	90.8	70-130		%Rec	1	11/28/2020 10:21:47 PM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Page 22 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-14 4'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/20/2020 9:15:00 AM

Lab ID: 2011C43-023

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	11/28/2020 1:39:00 PM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2020 1:39:58 AM	56663
Surr: BFB	104	70-130		%Rec	1	11/29/2020 1:39:58 AM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/30/2020 11:59:36 AM	56680
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/30/2020 11:59:36 AM	56680
Surr: DNOP	95.2	30.4-154		%Rec	1	11/30/2020 11:59:36 AM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	11/29/2020 1:39:58 AM	56663
Toluene	ND	0.047		mg/Kg	1	11/29/2020 1:39:58 AM	56663
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2020 1:39:58 AM	56663
Xylenes, Total	ND	0.093		mg/Kg	1	11/29/2020 1:39:58 AM	56663
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	11/29/2020 1:39:58 AM	56663
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/29/2020 1:39:58 AM	56663
Surr: Dibromofluoromethane	108	70-130		%Rec	1	11/29/2020 1:39:58 AM	56663
Surr: Toluene-d8	90.7	70-130		%Rec	1	11/29/2020 1:39:58 AM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 23 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-19 0-1'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/20/2020 10:40:00 AM

Lab ID: 2011C43-024

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	120	61		mg/Kg	20	11/28/2020 1:51:24 PM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2020 2:08:14 AM	56663
Surr: BFB	109	70-130		%Rec	1	11/29/2020 2:08:14 AM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/30/2020 12:09:07 PM	56680
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2020 12:09:07 PM	56680
Surr: DNOP	80.6	30.4-154		%Rec	1	11/30/2020 12:09:07 PM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/29/2020 2:08:14 AM	56663
Toluene	ND	0.048		mg/Kg	1	11/29/2020 2:08:14 AM	56663
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2020 2:08:14 AM	56663
Xylenes, Total	ND	0.096		mg/Kg	1	11/29/2020 2:08:14 AM	56663
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	11/29/2020 2:08:14 AM	56663
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/29/2020 2:08:14 AM	56663
Surr: Dibromofluoromethane	109	70-130		%Rec	1	11/29/2020 2:08:14 AM	56663
Surr: Toluene-d8	88.8	70-130		%Rec	1	11/29/2020 2:08:14 AM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 24 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-20 0-1'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/20/2020 10:50:00 AM

Lab ID: 2011C43-025

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	120	60		mg/Kg	20	11/28/2020 2:03:49 PM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2020 2:36:29 AM	56663
Surr: BFB	103	70-130		%Rec	1	11/29/2020 2:36:29 AM	56663
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/30/2020 12:18:42 PM	56680
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2020 12:18:42 PM	56680
Surr: DNOP	89.2	30.4-154		%Rec	1	11/30/2020 12:18:42 PM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/29/2020 2:36:29 AM	56663
Toluene	ND	0.049		mg/Kg	1	11/29/2020 2:36:29 AM	56663
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2020 2:36:29 AM	56663
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2020 2:36:29 AM	56663
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	11/29/2020 2:36:29 AM	56663
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/29/2020 2:36:29 AM	56663
Surr: Dibromofluoromethane	107	70-130		%Rec	1	11/29/2020 2:36:29 AM	56663
Surr: Toluene-d8	88.3	70-130		%Rec	1	11/29/2020 2:36:29 AM	56663

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 25 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-21 0-1'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/20/2020 10:15:00 AM

Lab ID: 2011C43-026

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	11/28/2020 2:16:13 PM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2020 4:59:21 AM	56668
Surr: BFB	95.1	70-130		%Rec	1	11/29/2020 4:59:21 AM	56668
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/30/2020 12:28:24 PM	56680
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/30/2020 12:28:24 PM	56680
Surr: DNOP	83.2	30.4-154		%Rec	1	11/30/2020 12:28:24 PM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/29/2020 4:59:21 AM	56668
Toluene	ND	0.048		mg/Kg	1	11/29/2020 4:59:21 AM	56668
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2020 4:59:21 AM	56668
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2020 4:59:21 AM	56668
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%Rec	1	11/29/2020 4:59:21 AM	56668
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	11/29/2020 4:59:21 AM	56668
Surr: Dibromofluoromethane	111	70-130		%Rec	1	11/29/2020 4:59:21 AM	56668
Surr: Toluene-d8	90.7	70-130		%Rec	1	11/29/2020 4:59:21 AM	56668

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 26 of 32

Analytical Report

Lab Order 2011C43

Date Reported: 12/3/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-22 0-1'

Project: Devon Energy Diamond PWU 22 001H

Collection Date: 11/20/2020 10:20:00 AM

Lab ID: 2011C43-027

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	68	60		mg/Kg	20	11/28/2020 2:28:38 PM	56677
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/29/2020 5:26:20 AM	56668
Surr: BFB	95.0	70-130		%Rec	1	11/29/2020 5:26:20 AM	56668
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	11/30/2020 12:38:07 PM	56680
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	11/30/2020 12:38:07 PM	56680
Surr: DNOP	64.5	30.4-154		%Rec	1	11/30/2020 12:38:07 PM	56680
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	11/29/2020 5:26:20 AM	56668
Toluene	ND	0.046		mg/Kg	1	11/29/2020 5:26:20 AM	56668
Ethylbenzene	ND	0.046		mg/Kg	1	11/29/2020 5:26:20 AM	56668
Xylenes, Total	ND	0.092		mg/Kg	1	11/29/2020 5:26:20 AM	56668
Surr: 1,2-Dichloroethane-d4	91.3	70-130		%Rec	1	11/29/2020 5:26:20 AM	56668
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	11/29/2020 5:26:20 AM	56668
Surr: Dibromofluoromethane	110	70-130		%Rec	1	11/29/2020 5:26:20 AM	56668
Surr: Toluene-d8	90.3	70-130		%Rec	1	11/29/2020 5:26:20 AM	56668

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 27 of 32

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C43

03-Dec-20

Client: Talon Artesia**Project:** Devon Energy Diamond PWU 22 001H

Sample ID: MB-56676	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 56676	RunNo: 73633								
Prep Date: 11/26/2020	Analysis Date: 11/26/2020	SeqNo: 2595052 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56676	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 56676	RunNo: 73633								
Prep Date: 11/26/2020	Analysis Date: 11/27/2020	SeqNo: 2595053 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Sample ID: MB-56677	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 56677	RunNo: 73657								
Prep Date: 11/28/2020	Analysis Date: 11/28/2020	SeqNo: 2596101 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56677	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 56677	RunNo: 73657								
Prep Date: 11/28/2020	Analysis Date: 11/28/2020	SeqNo: 2596102 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 28 of 32

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C43

03-Dec-20

Client: Talon Artesia

Project: Devon Energy Diamond PWU 22 001H

Sample ID: LCS-56680	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 56680	RunNo: 73679								
Prep Date: 11/28/2020	Analysis Date: 11/30/2020	SeqNo: 2596910 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.5	70	130			
Surr: DNOP	5.3		5.000		107	30.4	154			

Sample ID: MB-56680	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 56680	RunNo: 73679								
Prep Date: 11/28/2020	Analysis Date: 11/30/2020	SeqNo: 2596914 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.9	30.4	154			

Sample ID: LCS-56713	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 56713	RunNo: 73695								
Prep Date: 11/30/2020	Analysis Date: 12/1/2020	SeqNo: 2598000 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	121	70	130			
Surr: DNOP	6.5		5.000		130	30.4	154			

Sample ID: MB-56713	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 56713	RunNo: 73695								
Prep Date: 11/30/2020	Analysis Date: 12/1/2020	SeqNo: 2598002 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		120	30.4	154			

Qualifiers:

* Value exceeds Maximum Contaminant Level,
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Page 29 of 32

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C43

03-Dec-20

Client: Talon Artesia

Project: Devon Energy Diamond PWU 22 001H

Sample ID: mb-56668	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 56668	RunNo: 73634								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595110 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.7	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.6	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.46		0.5000		92.5	70	130			

Sample ID: lcs-56668	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 56668	RunNo: 73634								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595111 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	114	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.8	80	120			
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.5	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.55		0.5000		110	70	130			
Surr: Toluene-d8	0.48		0.5000		95.3	70	130			

Sample ID: mb-56663	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 56663	RunNo: 73639								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595302 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.8	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.6	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		105	70	130			
Surr: Toluene-d8	0.46		0.5000		92.5	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 30 of 32

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C43

03-Dec-20

Client: Talon Artesia

Project: Devon Energy Diamond PWU 22 001H

Sample ID: lcs-56663	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 56663	RunNo: 73639								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595303	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	113	80	120			
Toluene	1.1	0.050	1.000	0	107	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.4	0.10	3.000	0	112	80	120			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.5	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		103	70	130			
Surr: Toluene-d8	0.45		0.5000		89.2	70	130			

Sample ID: mb-56681	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 56681	RunNo: 73649								
Prep Date: 11/28/2020	Analysis Date: 11/29/2020	SeqNo: 2595647	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.1	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.48		0.5000		95.1	70	130			

Sample ID: lcs-56681	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 56681	RunNo: 73649								
Prep Date: 11/28/2020	Analysis Date: 11/29/2020	SeqNo: 2595649	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.5	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.0	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.47		0.5000		93.3	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 31 of 32

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C43

03-Dec-20

Client: Talon Artesia**Project:** Devon Energy Diamond PWU 22 001H

Sample ID: mb-56668	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 56668	RunNo: 73634								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595147		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)

ND

5.0

Surr: BFB

480

500.0

96.5

70

130

Sample ID: lcs-56668	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 56668	RunNo: 73634								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595148		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)

20

5.0

25.00

0

81.8

70

130

Surr: BFB

490

500.0

98.6

70

130

Sample ID: mb-56663	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 56663	RunNo: 73639								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595342		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)

ND

5.0

Surr: BFB

530

500.0

106

70

130

Sample ID: lcs-56663	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 56663	RunNo: 73639								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595343		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)

22

5.0

25.00

0

88.5

70

130

Surr: BFB

510

500.0

103

70

130

Sample ID: mb-56681	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 56681	RunNo: 73649								
Prep Date: 11/28/2020	Analysis Date: 11/29/2020	SeqNo: 2595868		Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: BFB

510

500.0

101

70

130

Sample ID: lcs-56681	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 56681	RunNo: 73649								
Prep Date: 11/28/2020	Analysis Date: 11/29/2020	SeqNo: 2595869		Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: BFB

490

500.0

97.8

70

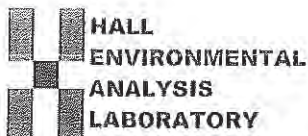
130

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 32 of 32



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2011C43

RcptNo: 1

Received By: Juan Rojas

11/25/2020 8:00:00 AM

Completed By: Emily Mocho

11/25/2020 8:39:39 AM

Reviewed By: JR 11/25/20

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: SCC 11/25/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			
2	1.9	Good	Yes			
3	2.1	Good	Yes			

Released to Imaging: 2/19/2025 11:41:55 AM

Turn-Around Time:	4-day
☒ Standard	☐ Rush
Project Name:	Devon Energy
Project #:	Diamond PWY 22 #001H 700794, 315.01
Project Manager:	R Pons
Sampler:	B Sinclair
On Ice:	☒ Yes ☐ No
# of Coolers:	3
Cooler Temp (including CF):	See Remarks (°C)

4 oz jar	ice	013
		014
		015
		016
		017
		018
		019
		020
		021
		022
		023
		024

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

[illegible]

Remarks:	$1.5 + 0.1 = 1.6$
W/O : 20754989	$1.5 + 0.1 = 1.6$
Bill directly to Devon	$2.0 + 0.1 = 2.1$
	pg 20

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Turn-Around Time:

4-day

☒ Standard ☐ Rush

Diamond PWY 22 #001 H

Project #:

700794.315.0

Project Manager:

R Pows

Sampler: B Sinclair

On Ice: ☒ Yes ☐ No

of Coolers: 3

Cooler Temp (including CF): *See Remarks* (°C)

Container Type and #	Preservative Type
-------------------------	----------------------

HEAL No.
2011043

025

024

027

Date	Time	Matrix	Sample Name
------	------	--------	-------------

11/20	10:50	50:	5-20	2-1
-------	-------	-----	------	-----

	NO:15		S-21 0-1'
--	-------	--	-----------

	10:20		5-22 0-1'
--	-------	--	-----------

Date:	Time:	Relinquished by:
-------	-------	------------------

11/24	310	
-------	-----	---

Date:	Time:	Relinquished by:
-------	-------	------------------

240	900	6000
-----	-----	------

Received by:	Via:
--------------	------

Columnine

Received by: 27 Via: 1

Completed 11/25/79 Grom

Date	Time
------	------

1/24/20 BID

Date	Time
------	------

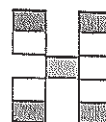
Remarks:

W/O : 20754989

Bill directly to Devon^{2.0} to 127.1

$$1.5 + 0.7 = 1.9$$
$$1.8 + 0.1 = 1.9$$
$$2.0 \text{ g} \div 0.1 = 2.1$$

993 of 3



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

March 03, 2021

Brandon Sinclair
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX

RE: Diamond PWU 22 #001H

OrderNo.: 2102B02

Dear Brandon Sinclair:

Hall Environmental Analysis Laboratory received 21 sample(s) on 2/25/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 0'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 9:30:00 AM

Lab ID: 2102B02-001

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3400	150		mg/Kg	50	3/2/2021 3:35:37 PM	58387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	25	9.4		mg/Kg	1	2/27/2021 1:03:45 PM	58340
Motor Oil Range Organics (MRO)	61	47		mg/Kg	1	2/27/2021 1:03:45 PM	58340
Surr: DNOP	89.9	70-130		%Rec	1	2/27/2021 1:03:45 PM	58340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/27/2021 4:53:00 PM	58335
Surr: BFB	85.4	75.3-105		%Rec	1	2/27/2021 4:53:00 PM	58335
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/27/2021 4:53:00 PM	58335
Toluene	ND	0.049		mg/Kg	1	2/27/2021 4:53:00 PM	58335
Ethylbenzene	ND	0.049		mg/Kg	1	2/27/2021 4:53:00 PM	58335
Xylenes, Total	ND	0.098		mg/Kg	1	2/27/2021 4:53:00 PM	58335
Surr: 4-Bromofluorobenzene	96.0	80-120		%Rec	1	2/27/2021 4:53:00 PM	58335

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 2'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 9:35:00 AM

Lab ID: 2102B02-002

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	210	60		mg/Kg	20	3/1/2021 8:34:07 PM	58387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/27/2021 1:13:26 PM	58340
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/27/2021 1:13:26 PM	58340
Surr: DNOP	115	70-130		%Rec	1	2/27/2021 1:13:26 PM	58340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/27/2021 5:12:00 PM	58335
Surr: BFB	85.1	75.3-105		%Rec	1	2/27/2021 5:12:00 PM	58335
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/27/2021 5:12:00 PM	58335
Toluene	ND	0.050		mg/Kg	1	2/27/2021 5:12:00 PM	58335
Ethylbenzene	ND	0.050		mg/Kg	1	2/27/2021 5:12:00 PM	58335
Xylenes, Total	ND	0.10		mg/Kg	1	2/27/2021 5:12:00 PM	58335
Surr: 4-Bromofluorobenzene	93.1	80-120		%Rec	1	2/27/2021 5:12:00 PM	58335

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 2 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 4'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 9:40:00 AM

Lab ID: 2102B02-003

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	110	60		mg/Kg	20	3/1/2021 9:11:21 PM	58387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	10	10		mg/Kg	1	2/27/2021 1:23:09 PM	58340
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/27/2021 1:23:09 PM	58340
Surr: DNOP	109	70-130		%Rec	1	2/27/2021 1:23:09 PM	58340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/27/2021 6:12:00 PM	58335
Surr: BFB	81.3	75.3-105		%Rec	1	2/27/2021 6:12:00 PM	58335
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/27/2021 6:12:00 PM	58335
Toluene	ND	0.050		mg/Kg	1	2/27/2021 6:12:00 PM	58335
Ethylbenzene	ND	0.050		mg/Kg	1	2/27/2021 6:12:00 PM	58335
Xylenes, Total	ND	0.099		mg/Kg	1	2/27/2021 6:12:00 PM	58335
Surr: 4-Bromofluorobenzene	89.9	80-120		%Rec	1	2/27/2021 6:12:00 PM	58335

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 3 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 6'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 9:45:00 AM

Lab ID: 2102B02-004

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	100	60		mg/Kg	20	3/1/2021 9:23:46 PM	58387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 4 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 8'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 9:50:00 AM

Lab ID: 2102B02-005

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	83	60		mg/Kg	20	3/1/2021 9:36:10 PM	58387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 5 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 10'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 9:55:00 AM

Lab ID: 2102B02-006

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	61		mg/Kg	20	3/1/2021 9:48:35 PM	58387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 6 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 12'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:00:00 AM

Lab ID: 2102B02-007

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/1/2021 10:01:00 PM	58387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 7 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-I 14'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:05:00 AM

Lab ID: 2102B02-008

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	3/1/2021 10:13:24 PM	58387

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	+	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 8 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 16'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:10:00 AM

Lab ID: 2102B02-009

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 12:05:05 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 9 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 18'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:15:00 AM

Lab ID: 2102B02-010

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 12:42:19 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 10 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 20'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:20:00 AM

Lab ID: 2102B02-011

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 12:54:44 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 25'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:35:00 AM

Lab ID: 2102B02-012

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	3/2/2021 1:07:09 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 12 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 30'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:40:00 AM

Lab ID: 2102B02-013

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 1:19:33 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 13 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 35'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:45:00 AM

Lab ID: 2102B02-014

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 1:31:57 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RI	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 14 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 40'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:50:00 AM

Lab ID: 2102B02-015

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 2:09:11 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 15 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 45'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 10:55:00 AM

Lab ID: 2102B02-016

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	74	60		mg/Kg	20	3/2/2021 2:21:35 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 16 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 50'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 11:00:00 AM

Lab ID: 2102B02-017

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 2:34:00 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 17 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 55'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 11:05:00 AM

Lab ID: 2102B02-018

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 2:46:25 AM	58390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 18 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-2 0'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 12:00:00 PM

Lab ID: 2102B02-019

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 2:58:50 AM	58390
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	24	9.4		mg/Kg	1	3/1/2021 7:05:12 PM	58340
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/1/2021 7:05:12 PM	58340
Surr: DNOP	98.0	70-130		%Rec	1	3/1/2021 7:05:12 PM	58340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/27/2021 6:32:00 PM	58335
Surr: BFB	88.5	75.3-105		%Rec	1	2/27/2021 6:32:00 PM	58335
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/27/2021 6:32:00 PM	58335
Toluene	ND	0.050		mg/Kg	1	2/27/2021 6:32:00 PM	58335
Ethylbenzene	ND	0.050		mg/Kg	1	2/27/2021 6:32:00 PM	58335
Xylenes, Total	ND	0.099		mg/Kg	1	2/27/2021 6:32:00 PM	58335
Surr: 4-Bromofluorobenzene	94.9	80-120		%Rec	1	2/27/2021 6:32:00 PM	58335

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 19 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-2 2'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 12:05:00 PM

Lab ID: 2102B02-020

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 3:11:14 AM	58390
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/27/2021 1:42:37 PM	58340
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/27/2021 1:42:37 PM	58340
Surr: DNOP	101	70-130		%Rec	1	2/27/2021 1:42:37 PM	58340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/27/2021 6:52:00 PM	58335
Surr: BFB	89.9	75.3-105		%Rec	1	2/27/2021 6:52:00 PM	58335
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/27/2021 6:52:00 PM	58335
Toluene	ND	0.050		mg/Kg	1	2/27/2021 6:52:00 PM	58335
Ethylbenzene	ND	0.050		mg/Kg	1	2/27/2021 6:52:00 PM	58335
Xylenes, Total	ND	0.10		mg/Kg	1	2/27/2021 6:52:00 PM	58335
Surr: 4-Bromofluorobenzene	97.7	80-120		%Rec	1	2/27/2021 6:52:00 PM	58335

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 20 of 26

Analytical Report

Lab Order 2102B02

Date Reported: 3/3/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-2 4'

Project: Diamond PWU 22 #001H

Collection Date: 2/23/2021 12:10:00 PM

Lab ID: 2102B02-021

Matrix: SOIL

Received Date: 2/25/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/2/2021 3:23:38 AM	58390
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/27/2021 1:52:22 PM	58340
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/27/2021 1:52:22 PM	58340
Surr: DNOP	119	70-130		%Rec	1	2/27/2021 1:52:22 PM	58340
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/27/2021 7:12:00 PM	58335
Surr: BFB	89.3	75.3-105		%Rec	1	2/27/2021 7:12:00 PM	58335
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/27/2021 7:12:00 PM	58335
Toluene	ND	0.050		mg/Kg	1	2/27/2021 7:12:00 PM	58335
Ethylbenzene	ND	0.050		mg/Kg	1	2/27/2021 7:12:00 PM	58335
Xylenes, Total	ND	0.099		mg/Kg	1	2/27/2021 7:12:00 PM	58335
Surr: 4-Bromofluorobenzene	96.8	80-120		%Rec	1	2/27/2021 7:12:00 PM	58335

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level. - D Sample Diluted Due to Matrix - H Holding times for preparation or analysis exceeded - ND Not Detected at the Reporting Limit - PQL Practical Quantitative Limit - S % Recovery outside of range due to dilution or matrix	- B Analyte detected in the associated Method Blank - E Value above quantitation range - J Analyte detected below quantitation limits - P Sample pH Not In Range - RL Reporting Limit
--------------------	---	---

Page 21 of 26

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2102B02

03-Mar-21

Client: Talon Artesia

Project: Diamond PWU 22 #001H

Sample ID: MB-58387	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 58387	RunNo: 75603								
Prep Date: 3/1/2021	Analysis Date: 3/1/2021	SeqNo: 2673211 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-58387	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 58387	RunNo: 75603								
Prep Date: 3/1/2021	Analysis Date: 3/1/2021	SeqNo: 2673212 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.2	90	110			

Sample ID: MB-58390	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 58390	RunNo: 75603								
Prep Date: 3/1/2021	Analysis Date: 3/1/2021	SeqNo: 2673241 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-58390	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 58390	RunNo: 75603								
Prep Date: 3/1/2021	Analysis Date: 3/1/2021	SeqNo: 2673242 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Page 22 of 26

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2102B02

03-Mar-21

Client: Talon Artesia

Project: Diamond PWU 22 #001H

Sample ID: MB-58340	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58340	RunNo: 75588								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672049 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Sample ID: MB-58350	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58350	RunNo: 75588								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672051 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		107	70	130			

Sample ID: MB-58361	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58361	RunNo: 75588								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672052 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	70	130			

Sample ID: LCS-58340	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58340	RunNo: 75588								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672064 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	105	68.9	141			
Surr: DNOP	5.0		5.000		100	70	130			

Sample ID: LCS-58350	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58350	RunNo: 75588								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672066 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	70	130			

Sample ID: LCS-58361	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58361	RunNo: 75588								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672067 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.5	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Page 23 of 26

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2102B02

03-Mar-21

Client: Talon Artesia
Project: Diamond PWU 22 #001H

Sample ID: MB-58373	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58373	RunNo: 75595								
Prep Date: 2/27/2021	Analysis Date: 3/1/2021	SeqNo: 2672573 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		117	70	130			

Sample ID: MB-58379	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58379	RunNo: 75595								
Prep Date: 2/27/2021	Analysis Date: 3/1/2021	SeqNo: 2672574 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		133	70	130			S

Sample ID: LCS-58373	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58373	RunNo: 75595								
Prep Date: 2/27/2021	Analysis Date: 3/1/2021	SeqNo: 2672575 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		105	70	130			

Sample ID: LCS-58379	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58379	RunNo: 75595								
Prep Date: 2/27/2021	Analysis Date: 3/1/2021	SeqNo: 2672576 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.4		5.000		128	70	130			

Sample ID: MB-58377	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58377	RunNo: 75595								
Prep Date: 2/27/2021	Analysis Date: 3/1/2021	SeqNo: 2673431 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		117	70	130			

Sample ID: LCS-58377	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58377	RunNo: 75595								
Prep Date: 2/27/2021	Analysis Date: 3/1/2021	SeqNo: 2673433 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.9		5.000		118	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 24 of 26

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2102B02

03-Mar-21

Client: Talon Artesia
Project: Diamond PWU 22 #001H

Sample ID: LCS-58335	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 58335	RunNo: 75582								
Prep Date: 2/25/2021	Analysis Date: 2/27/2021	SeqNo: 2672644 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	80	120			
Surr: BFB	980		1000		98.1	75.3	105			

Sample ID: MB-58335	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 58335	RunNo: 75582								
Prep Date: 2/25/2021	Analysis Date: 2/27/2021	SeqNo: 2672645 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.4	75.3	105			

Sample ID: LCS-58348	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 58348	RunNo: 75582								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672669 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		96.7	75.3	105			

Sample ID: MB-58348	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 58348	RunNo: 75582								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672670 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	870		1000		87.2	75.3	105			

Qualifiers:

• Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2102B02

03-Mar-21

Client: Talon Artesia
Project: Diamond PWU 22 #001H

Sample ID: LCS-58335	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 58335	RunNo: 75582								
Prep Date: 2/25/2021	Analysis Date: 2/27/2021	SeqNo: 2672698 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.4	80	120			
Toluene	0.94	0.050	1.000	0	94.1	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.1	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.7	80	120			

Sample ID: MB-58335	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 58335	RunNo: 75582								
Prep Date: 2/25/2021	Analysis Date: 2/27/2021	SeqNo: 2672699 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: LCS-58348	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 58348	RunNo: 75582								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672724 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	80	120			

Sample ID: MB-58348	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 58348	RunNo: 75582								
Prep Date: 2/26/2021	Analysis Date: 2/27/2021	SeqNo: 2672725 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Page 26 of 26



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2102B02

RcptNo: 1

Received By: Juan Rojas

2/25/2021 7:35:00 AM

Completed By: Cheyenne Cason

2/25/2021 8:20:33 AM

Reviewed By: ENM

2/25/21

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐5. Sample(s) in proper container(s)? Yes ☒ No ☐6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒10. Were any sample containers received broken? Yes ☐ No ☒11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐13. Is it clear what analyses were requested? Yes ☒ No ☐14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐# of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: SGL 2/25/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3					
2	1.8					
3	1.2					

Chain-of-Custody Record

Client: Talon / LPE

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: 4-day
☒ Standard ☐ Rush

Project Name: Diamond PWU 22 #001H
 Project #:

Project Manager: B Sinclair

Sampler: B Sinclair
 On Ice: ☒ Yes ☐ No
 # of Coolers: 4
 Cooler Temp (including CF): See checklist (°C)

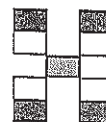
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
2-23-21	09:30	Soil	B-1 0'	4 oz jar	ice	C001
	09:35		B-1 2'			C002
	09:40		B-1 4'			C003
	09:45		B-1 6'			C004
	09:50		B-1 8'			C005
	09:55		B-1 10'			C006
	10:00		B-1 12'			C007
	10:05		B-1 14'			C008
	10:10		B-1 16'			C009
	10:15		B-1 18'			C010
	10:20		B-1 20'			C011
	10:35		B-1 25'			C012

Date: 2-23-21 Time: 11:30 Relinquished by: [Signature]

Date: 2/24/21 Time: 1900 Relinquished by: [Signature]

Received by: [Signature] Via: Date: 2/24/21 Time: 11:50

Received by: [Signature] Via: Date: 2/25/21 Time: 7:35



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

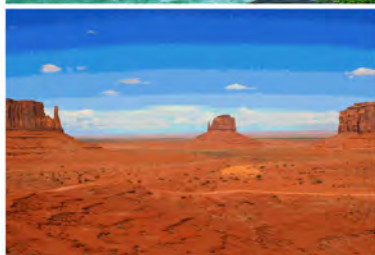
Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)										
✓	✓					✓													
✓	✓					✓													
✓	✓					✓													
						✓													
						✓													
						✓													
						✓													
						✓													
						✓													
						✓													
						✓													
						✓													
						✓													
						✓													

Remarks: Bill directly to Devon Energy
W/O # 2075 4989
1.8+0=1.8 + 0.3+0=0.3
1.3+0=1.3
 pg 1 of 2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.

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: Diamond PWU 22 1H

Work Order: E304194

Job Number: 21064-0001

Received: 4/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/4/23

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

Date Reported: 5/4/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Diamond PWU 22 1H
Workorder: E304194
Date Received: 4/27/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/27/2023 8:15:00AM, under the Project Name: Diamond PWU 22 1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
N1 - 1'	6
N1 - 3'	7
N1 - 4'	8
N1 - 5'	9
N2 - 1'	10
N2 - 3'	11
N2 - 4'	12
N2 - 5'	13
N3 - 1'	14
N3 - 3'	15
N3 - 4'	16
N3 - 5'	17
N4 - 1'	18
N4 - 3'	19
N4 - 4'	20
N4 - 5'	21
N5 - 1'	22
N5 - 3'	23
N5 - 4'	24
N6 - 1'	25

Table of Contents (continued)

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

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/04/23 13:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
N1 - 1'	E304194-01A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N1 - 3'	E304194-02A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N1 - 4'	E304194-03A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N1 - 5'	E304194-04A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N2 - 1'	E304194-05A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N2 - 3'	E304194-06A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N2 - 4'	E304194-07A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N2 - 5'	E304194-08A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N3 - 1'	E304194-09A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N3 - 3'	E304194-10A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N3 - 4'	E304194-11A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N3 - 5'	E304194-12A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N4 - 1'	E304194-13A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N4 - 3'	E304194-14A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N4 - 4'	E304194-15A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N4 - 5'	E304194-16A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N5 - 1'	E304194-17A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N5 - 3'	E304194-18A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N5 - 4'	E304194-19A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N6 - 1'	E304194-20A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N1 - 1'

E304194-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
<i>Surrogate: Bromofluorobenzene</i>	99.0 %	70-130		04/28/23	05/02/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.5 %	70-130		04/28/23	05/02/23	
<i>Surrogate: Toluene-d8</i>	100 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
<i>Surrogate: Bromofluorobenzene</i>	99.0 %	70-130		04/28/23	05/02/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.5 %	70-130		04/28/23	05/02/23	
<i>Surrogate: Toluene-d8</i>	100 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
<i>Surrogate: n-Nonane</i>	99.8 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	747	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N1 - 3'

E304194-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	99.8 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	99.8 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	95.2 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	101	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N1 - 4'

E304194-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	100 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	100 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	93.6 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	75.9	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N1 - 5'

E304194-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	95.0 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N2 - 1'

E304194-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	98.9 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	98.9 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	96.3 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	481	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N2 - 3'

E304194-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	100 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	100 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	94.8 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	135	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N2 - 4'

E304194-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	102 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	78.4	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N2 - 5'

E304194-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	96.2 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	96.2 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	98.8 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N3 - 1'

E304194-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	99.6 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	99.6 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	90.8 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	2350	40.0	2	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N3 - 3'

E304194-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	96.9 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	96.9 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	99.0 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	443	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N3 - 4'

E304194-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	95.4 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	303	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N3 - 5'

E304194-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	100 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	100 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	96.4 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N4 - 1'

E304194-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	0.0250	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	0.0250	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	103 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	103 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	2330	125	5	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	917	250	5	04/27/23	04/29/23	
Surrogate: n-Nonane	74.4 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	14200	400	20	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N4 - 3'

E304194-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	102 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	102 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	98.1 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N4 - 4'

E304194-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	99.4 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	99.4 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	97.2 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N4 - 5'

E304194-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/03/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/03/23	
Toluene	ND	0.0250	1	04/28/23	05/03/23	
o-Xylene	ND	0.0250	1	04/28/23	05/03/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/03/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		04/28/23	05/03/23	
Surrogate: Toluene-d8	99.3 %	70-130		04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		04/28/23	05/03/23	
Surrogate: Toluene-d8	99.3 %	70-130		04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	99.7 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N5 - 1'

E304194-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/03/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/03/23	
Toluene	ND	0.0250	1	04/28/23	05/03/23	
o-Xylene	ND	0.0250	1	04/28/23	05/03/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/03/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		04/28/23	05/03/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		04/28/23	05/03/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	97.0 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	336	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N5 - 3'

E304194-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/03/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/03/23	
Toluene	ND	0.0250	1	04/28/23	05/03/23	
o-Xylene	ND	0.0250	1	04/28/23	05/03/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/03/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		04/28/23	05/03/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		04/28/23	05/03/23	
Surrogate: Toluene-d8	101 %	70-130		04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	101 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	25.4	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N5 - 4'

E304194-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/03/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/03/23	
Toluene	ND	0.0250	1	04/28/23	05/03/23	
o-Xylene	ND	0.0250	1	04/28/23	05/03/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/03/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/28/23	05/03/23	
Surrogate: Toluene-d8		104 %	70-130	04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/28/23	05/03/23	
Surrogate: Toluene-d8		104 %	70-130	04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		102 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/4/2023 1:59:30PM

N6 - 1'

E304194-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Benzene	ND	0.0250	1	04/28/23	05/03/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/03/23	
Toluene	ND	0.0250	1	04/28/23	05/03/23	
o-Xylene	ND	0.0250	1	04/28/23	05/03/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/03/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	04/28/23	05/03/23	
Surrogate: Toluene-d8		101 %	70-130	04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317081
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/03/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/28/23	05/03/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	04/28/23	05/03/23	
Surrogate: Toluene-d8		101 %	70-130	04/28/23	05/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317060
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		102 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318012
Chloride	2790	20.0	1	05/01/23	05/01/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 1:59:30PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2317081-BLK1)

Prepared: 04/28/23 Analyzed: 05/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

LCS (2317081-BS1)

Prepared: 04/28/23 Analyzed: 05/01/23

Benzene	2.38	0.0250	2.50		95.2	70-130			
Ethylbenzene	2.35	0.0250	2.50		93.9	70-130			
Toluene	2.35	0.0250	2.50		93.8	70-130			
o-Xylene	2.48	0.0250	2.50		99.2	70-130			
p,m-Xylene	4.90	0.0500	5.00		97.9	70-130			
Total Xylenes	7.38	0.0250	7.50		98.3	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike (2317081-MS1)

Source: E304194-02

Prepared: 04/28/23 Analyzed: 05/02/23

Benzene	2.46	0.0250	2.50	ND	98.4	48-131			
Ethylbenzene	2.32	0.0250	2.50	ND	93.0	45-135			
Toluene	2.32	0.0250	2.50	ND	92.8	48-130			
o-Xylene	2.40	0.0250	2.50	ND	95.8	43-135			
p,m-Xylene	4.70	0.0500	5.00	ND	94.1	43-135			
Total Xylenes	7.10	0.0250	7.50	ND	94.6	43-135			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

Matrix Spike Dup (2317081-MSD1)

Source: E304194-02

Prepared: 04/28/23 Analyzed: 05/02/23

Benzene	2.40	0.0250	2.50	ND	96.0	48-131	2.51	23	
Ethylbenzene	2.33	0.0250	2.50	ND	93.2	45-135	0.258	27	
Toluene	2.34	0.0250	2.50	ND	93.5	48-130	0.752	24	
o-Xylene	2.41	0.0250	2.50	ND	96.5	43-135	0.769	27	
p,m-Xylene	4.71	0.0500	5.00	ND	94.2	43-135	0.138	27	
Total Xylenes	7.12	0.0250	7.50	ND	95.0	43-135	0.352	27	
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 1:59:30PM

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 (2317081-BLK1)

Prepared: 04/28/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

LCS (2317081-BS2)

Prepared: 04/28/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.1	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike (2317081-MS2)

Source: E304194-02

Prepared: 04/28/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.3	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Matrix Spike Dup (2317081-MSD2)

Source: E304194-02

Prepared: 04/28/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	38.7	20.0	50.0	ND	77.4	70-130	11.0	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported: 5/4/2023 1:59:30PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2317060-BLK1)					Prepared: 04/27/23 Analyzed: 04/28/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	50-200			

LCS (2317060-BS1)					Prepared: 04/27/23 Analyzed: 04/28/23				
Diesel Range Organics (C10-C28)	286	25.0	250		114	38-132			
Surrogate: n-Nonane	48.8		50.0		97.6	50-200			

Matrix Spike (2317060-MS1)					Source: E304194-18		Prepared: 04/27/23 Analyzed: 04/28/23		
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			

Matrix Spike Dup (2317060-MSD1)					Source: E304194-18		Prepared: 04/27/23 Analyzed: 04/28/23		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132	0.940	20	
Surrogate: n-Nonane	47.4		50.0		94.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/4/2023 1:59:30PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2318012-BLK1)					Prepared: 05/01/23 Analyzed: 05/01/23				
Chloride	ND	20.0							
LCS (2318012-BS1)					Prepared: 05/01/23 Analyzed: 05/01/23				
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2318012-MS1)					Source: E304194-01		Prepared: 05/01/23 Analyzed: 05/01/23		
Chloride	975	20.0	250	747	91.1	80-120			
Matrix Spike Dup (2318012-MSD1)					Source: E304194-01		Prepared: 05/01/23 Analyzed: 05/01/23		
Chloride	970	20.0	250	747	89.2	80-120	0.497	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:	Diamond PWU 22 1H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/04/23 13:59

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

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

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



Project Information

Chain of Custody

Page 1 of 5

Client: Pima Environmental Services				Bill To		Lab Use Only				TAT				EPA Program																																																																																																	
Project: <u>Diamond PwV 22 14</u>				Attention:		Lab WO# <u>E 304194</u>		Job Number <u>21064-0001</u>		1D	2D	3D	Standard	CWA	SDWA																																																																																																
Project Manager: Tom Bynum				Address:		Analysis and Method										RCRA																																																																																															
Address: 5614 N. Lovington Hwy.				City, State, Zip																																																																																																											
City, State, Zip <u>Hobbs, NM, 88240</u>				Phone:		State																																																																																																									
Phone: 580-748-1613				Email:																																																																																																											
Email: tom@pimaoil.com				Pima Project # <u>1-281-2</u>		NM CO UT AZ TX ☒ ☐ ☐ ☐ ☐																																																																																																									
Report due by:																																																																																																															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	Remarks																																																																																																
	4/21/23	Soil	1	N1-1'	1								X																																																																																																		
				N1-3'	2																																																																																																										
				N1-4'	3																																																																																																										
				N1-5'	4																																																																																																										
				N2-1'	5																																																																																																										
				N2-3'	6																																																																																																										
				N2-4'	7																																																																																																										
				N2-5'	8																																																																																																										
				N3-1'	9																																																																																																										
				N3-3'	10																																																																																																										
Additional Instructions:																																																																																																															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												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.																																																																																																			
<table border="1"> <tr> <td colspan="2">Relinquished by: (Signature)</td> <td>Date</td> <td>Time</td> <td colspan="2">Received by: (Signature)</td> <td>Date</td> <td>Time</td> <td colspan="8">Lab Use Only</td> </tr> <tr> <td colspan="2"><i>Robert J. J.</i></td> <td>4/26/23</td> <td>1330</td> <td colspan="2"><i>Michelle Gumpel</i></td> <td>4/26/23</td> <td>1330</td> <td colspan="8">Received on ice: ☒ Y / ☐ N</td> </tr> <tr> <td colspan="2">Relinquished by: (Signature)</td> <td>Date</td> <td>Time</td> <td colspan="2">Received by: (Signature)</td> <td>Date</td> <td>Time</td> <td colspan="8">T1 _____ T2 _____ T3 _____</td> </tr> <tr> <td colspan="2"><i>Michelle Gumpel</i></td> <td>4/26/23</td> <td>1730</td> <td colspan="2"><i>Patricia Chate</i></td> <td>4/26/23</td> <td>1730</td> <td colspan="8">AVG Temp °C <u>4</u></td> </tr> <tr> <td colspan="2">Relinquished by: (Signature)</td> <td>Date</td> <td>Time</td> <td colspan="2">Received by: (Signature)</td> <td>Date</td> <td>Time</td> <td colspan="8">Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA</td> </tr> <tr> <td colspan="2"><i>Patricia Chate</i></td> <td>4/27/23</td> <td>315</td> <td colspan="2"></td> <td>4/21/23</td> <td>8:15</td> <td colspan="8"></td> </tr> </table>																Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								<i>Robert J. J.</i>		4/26/23	1330	<i>Michelle Gumpel</i>		4/26/23	1330	Received on ice: ☒ Y / ☐ N								Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____								<i>Michelle Gumpel</i>		4/26/23	1730	<i>Patricia Chate</i>		4/26/23	1730	AVG Temp °C <u>4</u>								Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								<i>Patricia Chate</i>		4/27/23	315			4/21/23	8:15								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only																																																																																																							
<i>Robert J. J.</i>		4/26/23	1330	<i>Michelle Gumpel</i>		4/26/23	1330	Received on ice: ☒ Y / ☐ N																																																																																																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____																																																																																																							
<i>Michelle Gumpel</i>		4/26/23	1730	<i>Patricia Chate</i>		4/26/23	1730	AVG Temp °C <u>4</u>																																																																																																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																																																																																																							
<i>Patricia Chate</i>		4/27/23	315			4/21/23	8:15																																																																																																								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																																																																																																															
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																																																																																															


envirotech

Project Information

Chain of Custody

Page 2 of 5

Client: Pima Environmental Services Project: <u>Diamond PWU 22 14</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: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>1-281-2</u>					Lab Use Only Lab WO# <u>E.304/194</u> Job Number <u>21064-0001</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						
	4/21/23	Soil	1	N3-4'	11							X								
				N3-5'	12															
				N4-1'	13															
				N4-3'	14															
				N4-4'	15															
				N4-5'	16															
				N5-1'	17															
				N5-3'	18															
				N5-4'	19															
				N5-5' ^{so} N6-1'	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) <u>[Signature]</u> Date <u>4/26/23</u> Time <u>1330</u> Received by: (Signature) <u>[Signature]</u> Date <u>4/26/23</u> Time <u>1330</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>4/26/23</u> Time <u>1730</u> Received by: (Signature) <u>[Signature]</u> Date <u>4/26/23</u> Time <u>1730</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>4/27/23</u> Time <u>3:15</u> Received by: (Signature) <u>[Signature]</u> Date <u>4/27/23</u> Time <u>8:15</u>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				


envirotech

Envirotech Analytical Laboratory

Printed: 4/27/2023 12:50:36PM

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:	04/27/23 08:15	Work Order ID:	E304194
Phone:	(575) 631-6977	Date Logged In:	04/27/23 08:49	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	05/03/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Diamond PWU 22 1H has been separated into 2 reports due to sample volume. Workorders are as follows: E304194 & E304195. Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 1H

Work Order: E304195

Job Number: 21064-0001

Received: 4/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/3/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/3/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Diamond PWU 22 1H
Workorder: E304195
Date Received: 4/27/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/27/2023 8:15:00AM, under the Project Name: Diamond PWU 22 1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
N6 - 3'	6
N6 - 4'	7
N6 - 5'	8
N7 - 1'	9
N7 - 3'	10
N7 - 4'	11
N8 - 1'	12
N8 - 3'	13
N8 - 4'	14
N8 - 5'	15
N9 - 1'	16
N9 - 3'	17
N9 - 4'	18
N9 - 5'	19
N10 - 1'	20
N10 - 3'	21
N10 - 4'	22
N10 - 5'	23
N11 - 1'	24
N11 - 3'	25

Table of Contents (continued)

N11 - 4'	26
N11 - 5'	27
SW1	28
SW2	29
SW3	30
SW4	31
SW5	32
SW6	33
SW7	34
SW8	35
QC Summary Data	36
QC - Volatile Organic Compounds by EPA 8260B	36
QC - Nonhalogenated Organics by EPA 8015D - GRO	38
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	40
QC - Anions by EPA 300.0/9056A	42
Definitions and Notes	44
Chain of Custody etc.	45

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/03/23 12:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
N6 - 3'	E304195-01A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N6 - 4'	E304195-02A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N6 - 5'	E304195-03A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N7 - 1'	E304195-04A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N7 - 3'	E304195-05A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N7 - 4'	E304195-06A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N8 - 1'	E304195-07A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N8 - 3'	E304195-08A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N8 - 4'	E304195-09A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N8 - 5'	E304195-10A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N9 - 1'	E304195-11A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N9 - 3'	E304195-12A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N9 - 4'	E304195-13A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N9 - 5'	E304195-14A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N10 - 1'	E304195-15A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N10 - 3'	E304195-16A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N10 - 4'	E304195-17A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N10 - 5'	E304195-18A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N11 - 1'	E304195-19A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N11 - 3'	E304195-20A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N11 - 4'	E304195-21A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
N11 - 5'	E304195-22A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW1	E304195-23A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW2	E304195-24A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW3	E304195-25A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW4	E304195-26A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW5	E304195-27A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW6	E304195-28A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW7	E304195-29A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW8	E304195-30A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N6 - 3'

E304195-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	105 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	98.9 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene	105 %	70-130		04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		04/28/23	05/02/23	
Surrogate: Toluene-d8	98.9 %	70-130		04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	78.1 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	1180	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N6 - 4'

E304195-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		108 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.1 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		108 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.1 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane		77.4 %	50-200	04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	173	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N6 - 5'

E304195-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.5 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.5 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane		72.8 %	50-200	04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N7 - 1'

E304195-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		103 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.5 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		103 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.5 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane		76.5 %	50-200	04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	2160	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N7 - 3'

E304195-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		108 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		100 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		108 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		100 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane		79.6 %	50-200	04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	1020	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N7 - 4'

E304195-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		97.7 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		97.7 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane		80.4 %	50-200	04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	120	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N8 - 1'

E304195-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		106 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		97.7 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		106 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		97.7 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane		78.0 %	50-200	04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	1340	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N8 - 3'

E304195-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		97.7 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		97.7 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane		79.5 %	50-200	04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	1300	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N8 - 4'

E304195-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.1 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.1 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		79.1 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	143	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N8 - 5'

E304195-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.9 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.9 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		76.9 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N9 - 1'

E304195-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.8 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.8 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	27.9	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		79.7 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N9 - 3'

E304195-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		100 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		100 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		78.4 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N9 - 4'

E304195-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.2 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.2 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		76.6 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N9 - 5'

E304195-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.4 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.4 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		72.9 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N10 - 1'

E304195-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		106 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.1 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		106 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		99.1 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	126	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	139	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		70.4 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	47.8	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N10 - 3'

E304195-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.1 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.1 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		73.4 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N10 - 4'

E304195-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.2 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.2 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		75.5 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N10 - 5'

E304195-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.4 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.4 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		77.6 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N11 -1'

E304195-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.8 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.8 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	299	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	355	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		67.7 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	50.8	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N11 - 3'

E304195-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Benzene	ND	0.0250	1	04/28/23	05/02/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/02/23	
Toluene	ND	0.0250	1	04/28/23	05/02/23	
o-Xylene	ND	0.0250	1	04/28/23	05/02/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/02/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.0 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317082
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/28/23	05/02/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/28/23	05/02/23	
Surrogate: Toluene-d8		98.0 %	70-130	04/28/23	05/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317062
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		77.4 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318013
Chloride	26.5	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N11 - 4'

E304195-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	85.1 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	111 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	85.1 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	111 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	85.1 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	235	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

N11 - 5'

E304195-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	84.6 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	109 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	84.6 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	109 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	91.0 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

SW1

E304195-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	84.7 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	109 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	84.7 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	109 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	90.1 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

SW2

E304195-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	83.4 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	108 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	83.4 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	108 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	89.1 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

SW3

E304195-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	85.5 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	109 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	85.5 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	109 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
Surrogate: n-Nonane	89.1 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

SW4

E304195-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	86.5 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	110 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	86.5 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	110 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	88.0 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

SW5

E304195-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	86.7 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	111 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	86.7 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	111 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	88.2 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

SW6

E304195-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	81.4 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	111 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	81.4 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	111 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	84.3 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

SW7

E304195-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	76.3 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	112 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	76.3 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	112 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	86.4 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:25:55PM

SW8

E304195-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Benzene	ND	0.0250	1	04/27/23	04/28/23	
Ethylbenzene	ND	0.0250	1	04/27/23	04/28/23	
Toluene	ND	0.0250	1	04/27/23	04/28/23	
o-Xylene	ND	0.0250	1	04/27/23	04/28/23	
p,m-Xylene	ND	0.0500	1	04/27/23	04/28/23	
Total Xylenes	ND	0.0250	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	76.5 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	113 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2317061
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	04/28/23	
Surrogate: Bromofluorobenzene	76.5 %	70-130		04/27/23	04/28/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		04/27/23	04/28/23	
Surrogate: Toluene-d8	113 %	70-130		04/27/23	04/28/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	84.9 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318015
Chloride	ND	20.0	1	05/01/23	05/02/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:25:55PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2317061-BLK1)

Prepared: 04/27/23 Analyzed: 05/02/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.582		0.500		116	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			

LCS (2317061-BS1)

Prepared: 04/27/23 Analyzed: 05/02/23

Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.51	0.0250	2.50		100	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.48	0.0250	2.50		99.2	70-130			
p,m-Xylene	4.92	0.0500	5.00		98.5	70-130			
Total Xylenes	7.40	0.0250	7.50		98.7	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.553		0.500		111	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			

Matrix Spike (2317061-MS1)

Source: E304192-04

Prepared: 04/27/23 Analyzed: 05/02/23

Benzene	2.57	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
Toluene	2.54	0.0250	2.50	ND	102	48-130			
o-Xylene	2.51	0.0250	2.50	ND	100	43-135			
p,m-Xylene	4.96	0.0500	5.00	ND	99.2	43-135			
Total Xylenes	7.47	0.0250	7.50	ND	99.6	43-135			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.555		0.500		111	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

Matrix Spike Dup (2317061-MSD1)

Source: E304192-04

Prepared: 04/27/23 Analyzed: 05/02/23

Benzene	2.47	0.0250	2.50	ND	98.8	48-131	3.83	23	
Ethylbenzene	2.47	0.0250	2.50	ND	98.9	45-135	2.30	27	
Toluene	2.46	0.0250	2.50	ND	98.4	48-130	3.12	24	
o-Xylene	2.47	0.0250	2.50	ND	98.7	43-135	1.65	27	
p,m-Xylene	4.86	0.0500	5.00	ND	97.1	43-135	2.18	27	
Total Xylenes	7.32	0.0250	7.50	ND	97.6	43-135	2.00	27	
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.558		0.500		112	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:25:55PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2317082-BLK1)

Prepared: 04/28/23 Analyzed: 05/02/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.556		0.500		111	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

LCS (2317082-BS1)

Prepared: 04/28/23 Analyzed: 05/02/23

Benzene	2.47	0.0250	2.50		98.8	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.8	70-130			
Toluene	2.42	0.0250	2.50		96.8	70-130			
o-Xylene	2.41	0.0250	2.50		96.4	70-130			
p,m-Xylene	4.78	0.0500	5.00		95.5	70-130			
Total Xylenes	7.19	0.0250	7.50		95.8	70-130			
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.582		0.500		116	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

Matrix Spike (2317082-MS1)

Source: E304195-03

Prepared: 04/28/23 Analyzed: 05/02/23

Benzene	2.50	0.0250	2.50	ND	100	48-131			
Ethylbenzene	2.48	0.0250	2.50	ND	99.2	45-135			
Toluene	2.47	0.0250	2.50	ND	99.0	48-130			
o-Xylene	2.48	0.0250	2.50	ND	99.1	43-135			
p,m-Xylene	4.88	0.0500	5.00	ND	97.5	43-135			
Total Xylenes	7.35	0.0250	7.50	ND	98.0	43-135			
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.572		0.500		114	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

Matrix Spike Dup (2317082-MSD1)

Source: E304195-03

Prepared: 04/28/23 Analyzed: 05/02/23

Benzene	2.43	0.0250	2.50	ND	97.4	48-131	2.79	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.6	45-135	2.68	27	
Toluene	2.40	0.0250	2.50	ND	96.2	48-130	2.87	24	
o-Xylene	2.42	0.0250	2.50	ND	96.9	43-135	2.18	27	
p,m-Xylene	4.74	0.0500	5.00	ND	94.8	43-135	2.81	27	
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135	2.60	27	
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.561		0.500		112	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:25:55PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2317061-BLK1)

Prepared: 04/27/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.582		0.500		116	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			

LCS (2317061-BS2)

Prepared: 04/27/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0		88.0	70-130			
Surrogate: Bromofluorobenzene	0.548		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500		110	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike (2317061-MS2)

Source: E304192-04

Prepared: 04/27/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130			
Surrogate: Bromofluorobenzene	0.548		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.562		0.500		112	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike Dup (2317061-MSD2)

Source: E304192-04

Prepared: 04/27/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.5	70-130	2.10	20	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.558		0.500		112	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:25:55PM

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 (2317082-BLK1)

Prepared: 04/28/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.556		0.500		111	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

LCS (2317082-BS2)

Prepared: 04/28/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.3	70-130			
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.558		0.500		112	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike (2317082-MS2)

Source: E304195-03

Prepared: 04/28/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.4	70-130			
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.544		0.500		109	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike Dup (2317082-MSD2)

Source: E304195-03

Prepared: 04/28/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.7	70-130	0.339	20	
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.557		0.500		111	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:25:55PM

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 (2317062-BLK1)					Prepared: 04/27/23 Analyzed: 04/28/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.2		50.0		82.4	50-200			

LCS (2317062-BS1)					Prepared: 04/27/23 Analyzed: 04/28/23				
Diesel Range Organics (C10-C28)	241	25.0	250		96.2	38-132			
Surrogate: n-Nonane	37.2		50.0		74.5	50-200			

Matrix Spike (2317062-MS1)					Source: E304195-05		Prepared: 04/27/23 Analyzed: 04/28/23		
Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.6	38-132			
Surrogate: n-Nonane	32.5		50.0		65.1	50-200			

Matrix Spike Dup (2317062-MSD1)					Source: E304195-05		Prepared: 04/27/23 Analyzed: 04/28/23		
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.8	38-132	1.33	20	
Surrogate: n-Nonane	35.2		50.0		70.4	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:25:55PM

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 (2317063-BLK1)					Prepared: 04/27/23 Analyzed: 04/28/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.9		50.0		89.9	50-200			

LCS (2317063-BS1)					Prepared: 04/27/23 Analyzed: 04/28/23				
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

Matrix Spike (2317063-MS1)					Source: E304195-30		Prepared: 04/27/23 Analyzed: 04/28/23		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	43.4		50.0		86.8	50-200			

Matrix Spike Dup (2317063-MSD1)					Source: E304195-30		Prepared: 04/27/23 Analyzed: 04/28/23		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	3.50	20	
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:25:55PM

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 (2318013-BLK1)					Prepared: 05/01/23 Analyzed: 05/01/23				
Chloride	ND	20.0							
LCS (2318013-BS1)					Prepared: 05/01/23 Analyzed: 05/01/23				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2318013-MS1)					Source: E304195-01		Prepared: 05/01/23 Analyzed: 05/01/23		
Chloride	1330	20.0	250	1180	56.9	80-120			M2
Matrix Spike Dup (2318013-MSD1)					Source: E304195-01		Prepared: 05/01/23 Analyzed: 05/01/23		
Chloride	1350	20.0	250	1180	66.3	80-120	1.77	20	M2



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:25:55PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2318015-BLK1)					Prepared: 05/01/23 Analyzed: 05/02/23				
Chloride	ND	20.0							
LCS (2318015-BS1)					Prepared: 05/01/23 Analyzed: 05/02/23				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2318015-MS1)					Source: E304195-21		Prepared: 05/01/23 Analyzed: 05/02/23		
Chloride	526	20.0	250	235	117	80-120			
Matrix Spike Dup (2318015-MSD1)					Source: E304195-21		Prepared: 05/01/23 Analyzed: 05/02/23		
Chloride	568	20.0	250	235	133	80-120	7.67	20	M2

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:	Diamond PWU 22 1H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/03/23 12:25

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

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

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



Project Information

Chain of Custody

Page 3 of 5

Client: Pima Environmental Services				Bill To		Lab Use Only				TAT				EPA Program		
Project: <u>Diamond DWV 22 14</u>				Attention: _____		Lab WO# <u>E304195</u>		Job Number <u>21004-0001</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Tom Bynum				Address: _____		Analysis and Method										RCRA
Address: 5614 N. Lovington Hwy.				City, State, Zip _____												
City, State, Zip <u>Hobbs, NM, 88240</u>				Phone: _____		DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State		
Phone: 580-748-1613				Email: _____										NM	CO	
Email: tom@pimaoil.com				Pima Project # <u>1-281-2</u>										UT	AZ	
Report due by: _____														TX		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks
	<u>4/21/23</u>	<u>Soil</u>	<u>1</u>	<u>N6-3'</u>	<u>1</u>							<u>X</u>				
				<u>N6-4'</u>	<u>2</u>											
				<u>N6-5'</u>	<u>3</u>											
				<u>N7-1'</u>	<u>4</u>											
				<u>N7-3'</u>	<u>5</u>											
				<u>N7-4'</u>	<u>6</u>											
				<u>N8-1'</u>	<u>7</u>											
				<u>N8-3'</u>	<u>8</u>											
				<u>N8-4'</u>	<u>9</u>											
				<u>N8-5'</u>	<u>10</u>											
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.						
Sampled by: _____										Lab Use Only						
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>4-26-23</u>		Time <u>1330</u>		Received by: (Signature) <u>[Signature]</u>		Date <u>4-26-23</u>		Time <u>1330</u>		Received on ice: <u>Y</u> / N				
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>4-26-23</u>		Time <u>1730</u>		Received by: (Signature) <u>[Signature]</u>		Date <u>4/26/23</u>		Time <u>1730</u>		T1 _____ T2 _____ T3 _____				
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>4/27/23</u>		Time <u>315</u>		Received by: (Signature) <u>[Signature]</u>		Date <u>4/27/23</u>		Time <u>8:15</u>		AVG Temp °C <u>4</u>				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																


envirotech

Project Information

Chain of Custody

Page 4 of 5

Client: Pima Environmental Services Project: <u>Diamond DWU 22 1H</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: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>1-281-2</u>					Lab Use Only Lab WO# <u>E304195</u> Job Number <u>21064-0001</u> Analysis and Method DRO/ORO by 8015 GRO/ORO 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/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
	<u>4/21/23</u>	<u>Soil</u>	<u>1</u>	<u>N9-1'</u>	<u>11</u>							☒								
				<u>N9-3'</u>	<u>12</u>															
				<u>N9-4'</u>	<u>13</u>															
				<u>N9-5'</u>	<u>14</u>															
				<u>N10-1'</u>	<u>15</u>															
				<u>N10-3'</u>	<u>16</u>															
				<u>N10-4'</u>	<u>17</u>															
				<u>N10-5'</u>	<u>18</u>															
				<u>N11-1'</u>	<u>19</u>															
				<u>N11-3'</u>	<u>20</u>															
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: _____																				
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>4-26-23</u> Time <u>1330</u>		Received by: (Signature) <u>[Signature]</u>					Date <u>4-26-23</u> Time <u>1330</u>		Lab Use Only Received on ice: ☒ Y / ☐ N						
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>4-26-23</u> Time <u>1730</u>		Received by: (Signature) <u>[Signature]</u>					Date <u>4/26/23</u> Time <u>1730</u>		T1 _____ T2 _____ T3 _____						
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>4/27/23</u> Time <u>315</u>		Received by: (Signature) <u>[Signature]</u>					Date <u>4/27/23</u> Time <u>8:15</u>		AVG Temp °C <u>4</u>						
Sample Matrix: S - Soil, Sg - 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 5 of 5

Client: Pima Environmental Services Project: <u>Diamond PWW 22 IH</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: Address: City, State, Zip: Phone: Email: Pima Project # <u>1-281-2</u>					Lab Use Only Lab WO# <u>E 304195</u> Job Number <u>21064-0001</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX <u>X</u>										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks						
	4/21/23	Soil	1	N11-4'	21							X								
				N11-5'	22															
				SW1	23															
				SW2	24															
				SW3	25															
				SW4	26															
				SW5	27															
				SW6	28															
				SW7	29															
				SW8	30															
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) <u>[Signature]</u> Date <u>4-26-23</u> Time <u>1330</u> Received by: (Signature) <u>[Signature]</u> Date <u>4-26-23</u> Time <u>1330</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>4-26-23</u> Time <u>1730</u> Received by: (Signature) <u>[Signature]</u> Date <u>4/26/23</u> Time <u>1730</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>4/27/23</u> Time <u>315</u> Received by: (Signature) <u>[Signature]</u> Date <u>4/27/23</u> Time <u>8:15</u>																				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				

Envirotech Analytical Laboratory

Printed: 4/27/2023 12:54:25PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/27/23 08:15	Work Order ID:	E304195
Phone:	(575) 631-6977	Date Logged In:	04/27/23 08:50	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	05/03/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Diamond PWU 22 1H has been separated into 2 reports due to sample volume. Workorders are as follows: E304194 & E304195. Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 1H

Work Order: E304193

Job Number: 21064-0001

Received: 4/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/3/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/3/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Diamond PWU 22 1H
Workorder: E304193
Date Received: 4/27/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/27/2023 8:15:00AM, under the Project Name: Diamond PWU 22 1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
P1 - 1'	6
P1 - 3'	7
P1 - 4'	8
P1 - 5'	9
P2 - 1'	10
P2 - 3'	11
P2 - 4'	12
P2 - 5'	13
P3 - 1'	14
P3 - 3'	15
P3 - 4'	16
P3 - 5'	17
P4 - 1'	18
P4 - 3'	19
P4 - 4'	20
P4 - 5'	21
P5 - 1'	22
P5 - 3'	23
P5 - 4'	24
SW1	25

Table of Contents (continued)

SW2	26
SW3	27
SW4	28
QC Summary Data	29
QC - Volatile Organic Compounds by EPA 8260B	29
QC - Volatile Organics by EPA 8021B	30
QC - Nonhalogenated Organics by EPA 8015D - GRO	31
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	33
QC - Anions by EPA 300.0/9056A	35
Definitions and Notes	37
Chain of Custody etc.	38

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/03/23 12:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
P1 - 1'	E304193-01A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P1 - 3'	E304193-02A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P1 - 4'	E304193-03A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P1 - 5'	E304193-04A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P2 - 1'	E304193-05A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P2 - 3'	E304193-06A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P2 - 4'	E304193-07A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P2 - 5'	E304193-08A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P3 - 1'	E304193-09A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P3 - 3'	E304193-10A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P3 - 4'	E304193-11A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P3 - 5'	E304193-12A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P4 - 1'	E304193-13A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P4 - 3'	E304193-14A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P4 - 4'	E304193-15A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P4 - 5'	E304193-16A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P5 - 1'	E304193-17A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P5 - 3'	E304193-18A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
P5 - 4'	E304193-19A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW1	E304193-20A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW2	E304193-21A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW3	E304193-22A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.
SW4	E304193-23A	Soil	04/21/23	04/27/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P1 - 1'

E304193-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene	106 %	70-130		04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		04/27/23	05/01/23	
Surrogate: Toluene-d8	99.6 %	70-130		04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene	106 %	70-130		04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		04/27/23	05/01/23	
Surrogate: Toluene-d8	99.6 %	70-130		04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane	81.4 %	50-200		04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	209	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P1 - 3'

E304193-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.3 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.3 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		88.7 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	34.9	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P1 - 4'

E304193-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		85.3 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	28.4	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P1 - 5'

E304193-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.3 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.3 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		85.8 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P2 - 1'

E304193-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.4 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.4 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		88.4 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	2150	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P2 - 3'

E304193-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		108 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		108 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		83.2 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	634	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P2 - 4'

E304193-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		83.3 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P2 - 5'

E304193-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.5 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.5 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		85.1 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P3 - 1'

E304193-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.7 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.7 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		86.6 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	1080	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P3 - 3'

E304193-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.5 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.5 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		85.7 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	456	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P3 - 4'

E304193-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.7 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.7 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		85.0 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	157	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P3 - 5'

E304193-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		100 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		83.7 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P4 - 1'

E304193-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.2 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.2 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		84.1 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	1050	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P4 - 3'

E304193-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.4 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.4 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		85.3 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	486	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P4 - 4'

E304193-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		117 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.3 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		117 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.3 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		86.6 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	101	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P4 - 5'

E304193-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.4 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.4 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		88.0 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	ND	20.0	1	05/01/23	05/01/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P5 - 1'

E304193-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.4 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.4 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		92.0 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	182	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P5 - 3'

E304193-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.8 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		99.8 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		87.9 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	51.2	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

P5 - 4'

E304193-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.8 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		107 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		98.8 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		88.9 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

SW1

E304193-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Benzene	ND	0.0250	1	04/27/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/27/23	05/01/23	
Toluene	ND	0.0250	1	04/27/23	05/01/23	
o-Xylene	ND	0.0250	1	04/27/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/27/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		101 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2317065
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/27/23	05/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	04/27/23	05/01/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/27/23	05/01/23	
Surrogate: Toluene-d8		101 %	70-130	04/27/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317059
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/29/23	
Surrogate: n-Nonane		87.0 %	50-200	04/27/23	04/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2318011
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

SW2

E304193-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2317083	
Benzene	ND	0.0250	1	04/28/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/01/23	
Toluene	ND	0.0250	1	04/28/23	05/01/23	
o-Xylene	ND	0.0250	1	04/28/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		04/28/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2317083	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		04/28/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2317063	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
<i>Surrogate: n-Nonane</i>						
	84.7 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2318010	
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

SW3

E304193-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2317083
Benzene	ND	0.0250	1	04/28/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/01/23	
Toluene	ND	0.0250	1	04/28/23	05/01/23	
o-Xylene	ND	0.0250	1	04/28/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		04/28/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2317083
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		04/28/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
<i>Surrogate: n-Nonane</i>						
	87.5 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	ND	20.0	1	05/01/23	05/02/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 21064-0001
Project Manager: Tom Bynum

Reported:
5/3/2023 12:19:12PM

SW4

E304193-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2317083
Benzene	ND	0.0250	1	04/28/23	05/01/23	
Ethylbenzene	ND	0.0250	1	04/28/23	05/01/23	
Toluene	ND	0.0250	1	04/28/23	05/01/23	
o-Xylene	ND	0.0250	1	04/28/23	05/01/23	
p,m-Xylene	ND	0.0500	1	04/28/23	05/01/23	
Total Xylenes	ND	0.0250	1	04/28/23	05/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		04/28/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2317083
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/23	05/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		04/28/23	05/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2317063
Diesel Range Organics (C10-C28)	ND	25.0	1	04/27/23	04/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/27/23	04/28/23	
<i>Surrogate: n-Nonane</i>						
	86.4 %	50-200		04/27/23	04/28/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2318010
Chloride	ND	20.0	1	05/01/23	05/02/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:19:12PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2317065-BLK1)

Prepared: 04/27/23 Analyzed: 05/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.555		0.500		111	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			

LCS (2317065-BS1)

Prepared: 04/27/23 Analyzed: 05/01/23

Benzene	2.43	0.0250	2.50		97.4	70-130			
Ethylbenzene	2.38	0.0250	2.50		95.2	70-130			
Toluene	2.40	0.0250	2.50		96.0	70-130			
o-Xylene	2.38	0.0250	2.50		95.2	70-130			
p,m-Xylene	4.69	0.0500	5.00		93.8	70-130			
Total Xylenes	7.07	0.0250	7.50		94.3	70-130			
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.559		0.500		112	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

Matrix Spike (2317065-MS1)

Source: E304193-05

Prepared: 04/27/23 Analyzed: 05/01/23

Benzene	2.54	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.8	45-135			
Toluene	2.48	0.0250	2.50	ND	99.3	48-130			
o-Xylene	2.46	0.0250	2.50	ND	98.3	43-135			
p,m-Xylene	4.87	0.0500	5.00	ND	97.5	43-135			
Total Xylenes	7.33	0.0250	7.50	ND	97.8	43-135			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.568		0.500		114	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			

Matrix Spike Dup (2317065-MSD1)

Source: E304193-05

Prepared: 04/27/23 Analyzed: 05/02/23

Benzene	2.44	0.0250	2.50	ND	97.6	48-131	3.84	23	
Ethylbenzene	2.45	0.0250	2.50	ND	97.8	45-135	1.02	27	
Toluene	2.44	0.0250	2.50	ND	97.6	48-130	1.75	24	
o-Xylene	2.45	0.0250	2.50	ND	97.9	43-135	0.428	27	
p,m-Xylene	4.82	0.0500	5.00	ND	96.4	43-135	1.14	27	
Total Xylenes	7.27	0.0250	7.50	ND	96.9	43-135	0.897	27	
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500		110	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:19:12PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2317083-BLK1)

Prepared: 04/28/23 Analyzed: 05/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			

LCS (2317083-BS1)

Prepared: 04/28/23 Analyzed: 05/01/23

Benzene	4.54	0.0250	5.00		90.8	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.81	0.0250	5.00		96.2	70-130			
o-Xylene	4.86	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.5	0.0250	15.0		96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			

Matrix Spike (2317083-MS1)

Source: E304193-21

Prepared: 04/28/23 Analyzed: 05/01/23

Benzene	4.99	0.0250	5.00	ND	99.8	54-133			
Ethylbenzene	5.19	0.0250	5.00	ND	104	61-133			
Toluene	5.28	0.0250	5.00	ND	106	61-130			
o-Xylene	5.31	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

Matrix Spike Dup (2317083-MSD1)

Source: E304193-21

Prepared: 04/28/23 Analyzed: 05/01/23

Benzene	4.39	0.0250	5.00	ND	87.7	54-133	12.8	20	
Ethylbenzene	4.59	0.0250	5.00	ND	91.8	61-133	12.3	20	
Toluene	4.64	0.0250	5.00	ND	92.9	61-130	12.8	20	
o-Xylene	4.70	0.0250	5.00	ND	94.0	63-131	12.2	20	
p,m-Xylene	9.34	0.0500	10.0	ND	93.4	63-131	12.1	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.6	63-131	12.1	20	
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:19:12PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2317065-BLK1)

Prepared: 04/27/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.555		0.500		111	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			

LCS (2317065-BS2)

Prepared: 04/27/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.5	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.556		0.500		111	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2317065-MS2)

Source: E304193-05

Prepared: 04/27/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.7	70-130			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.546		0.500		109	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike Dup (2317065-MSD2)

Source: E304193-05

Prepared: 04/27/23 Analyzed: 05/02/23

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130	2.00	20	
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.551		0.500		110	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:19:12PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2317083-BLK1) Prepared: 04/28/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	70-130			

LCS (2317083-BS2) Prepared: 04/28/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0		97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

Matrix Spike (2317083-MS2) Source: E304193-21 Prepared: 04/28/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			

Matrix Spike Dup (2317083-MSD2) Source: E304193-21 Prepared: 04/28/23 Analyzed: 05/01/23

Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	ND	83.0	70-130	10.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:19:12PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2317059-BLK1)					Prepared: 04/27/23 Analyzed: 04/29/23				
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 (2317059-BS1)					Prepared: 04/27/23 Analyzed: 04/29/23				
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	45.0		50.0		90.0	50-200			

Matrix Spike (2317059-MS1)					Source: E304193-10		Prepared: 04/27/23 Analyzed: 04/29/23		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			

Matrix Spike Dup (2317059-MSD1)					Source: E304193-10		Prepared: 04/27/23 Analyzed: 04/29/23		
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	0.824	20	
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:19:12PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2317063-BLK1)					Prepared: 04/27/23 Analyzed: 04/28/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.9		50.0		89.9	50-200			

LCS (2317063-BS1)					Prepared: 04/27/23 Analyzed: 04/28/23				
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

Matrix Spike (2317063-MS1)					Source: E304195-30		Prepared: 04/27/23 Analyzed: 04/28/23		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	43.4		50.0		86.8	50-200			

Matrix Spike Dup (2317063-MSD1)					Source: E304195-30		Prepared: 04/27/23 Analyzed: 04/28/23		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	3.50	20	
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:19:12PM

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 (2318010-BLK1)					Prepared: 05/01/23 Analyzed: 05/02/23				
Chloride	ND	20.0							
LCS (2318010-BS1)					Prepared: 05/01/23 Analyzed: 05/02/23				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2318010-MS1)					Source: E304193-21		Prepared: 05/01/23 Analyzed: 05/02/23		
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2318010-MSD1)					Source: E304193-21		Prepared: 05/01/23 Analyzed: 05/02/23		
Chloride	251	20.0	250	ND	100	80-120	0.0112	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/3/2023 12:19:12PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2318011-BLK1)					Prepared: 05/01/23 Analyzed: 05/01/23				
Chloride	ND	20.0							
LCS (2318011-BS1)					Prepared: 05/01/23 Analyzed: 05/01/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2318011-MS1)					Source: E304193-01		Prepared: 05/01/23 Analyzed: 05/01/23		
Chloride	456	20.0	250	209	98.9	80-120			
Matrix Spike Dup (2318011-MSD1)					Source: E304193-01		Prepared: 05/01/23 Analyzed: 05/01/23		
Chloride	439	20.0	250	209	91.8	80-120	3.95	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:	Diamond PWU 22 1H	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/03/23 12:19

- 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 1 of 3

Client: Pima Environmental Services				Bill To		Lab Use Only		TAT				EPA Program	
Project: <u>Diamond DWU 22 1H</u>				Attention: _____		Lab WO# <u>E304193</u>		1D 2D 3D Standard				CWA SDWA	
Project Manager: Tom Bynum				Address: _____		Job Number <u>21N04-0001</u>		☒					
Address: 5614 N. Lovington Hwy.				City, State, Zip _____		Analysis and Method						RCRA	
City, State, Zip <u>Hobbs, NM. 88240</u>				Phone: _____		DRO/ORO by 8015						State	
Phone: 580-748-1613				Email: _____		GRO/DRO by 8015						NM CO UT AZ TX	
Email: tom@pimaoil.com				Pima Project # <u>1-281-3</u>		BTEX by 8021						☒	
Report due by: _____						VOC by 8260							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks			
	<u>4/21/23</u>	<u>Soil</u>	<u>1</u>	<u>P1-1'</u>	<u>1</u>			☒					
				<u>P1-3'</u>	<u>2</u>								
				<u>P1-4'</u>	<u>3</u>								
				<u>P1-5'</u>	<u>4</u>								
				<u>P2-1'</u>	<u>5</u>								
				<u>P2-3'</u>	<u>6</u>								
				<u>P2-4'</u>	<u>7</u>								
				<u>P2-5'</u>	<u>8</u>								
				<u>P3-1'</u>	<u>9</u>								
				<u>P3-3'</u>	<u>10</u>								

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 4/26/23 Time 1330

Relinquished by: (Signature) [Signature] Date 4/26/23 Time 1730

Relinquished by: (Signature) [Signature] Date 4/27/23 Time 3:15

Received by: (Signature) [Signature] Date 4/26/23 Time 1330

Received by: (Signature) [Signature] Date 4/26/23 Time 1730

Received by: (Signature) [Signature] Date 4/27/23 Time 8:15

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

Lab Use Only

Received on ice: ☒ Y ☐ N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

Project Information

Chain of Custody

Page 2 of 3

Client: Pima Environmental Services				Bill To		Lab Use Only				TAT				EPA Program									
Project: <u>Diamond Pw 22 IH</u>				Attention: _____		Lab WO# <u>E38493</u>		Job Number <u>210604-0001</u>		1D	2D	3D	Standard	CWA	SDWA								
Project Manager: Tom Bynum				Address: _____		Analysis and Method										RCRA							
Address: 5614 N. Lovington Hwy.				City, State, Zip _____												Phone: _____		Email: _____		State			
City, State, Zip <u>Hobbs, NM, 88240</u>				Pima Project # <u>1-281-3</u>		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC TX		Remarks	
Phone: 580-748-1613																							
Email: tom@pimaoil.com																							
Report due by: _____																							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																		
	4/21/23	Soil	1	P3-4'	11																		
				P3-5'	12																		
				P4-1'	13																		
				P4-3'	14																		
				P4-4'	15																		
				P4-5'	16																		
				P5-1'	17																		
				P5-3'	18																		
				P5-4'	19																		
				SWI	20																		

Additional Instructions:

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

Sampled by:

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>4/26/23</u>	Time <u>1330</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>4/26/23</u>	Time <u>1330</u>	Lab Use Only	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>4/26/23</u>	Time <u>1730</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>4/26/23</u>	Time <u>1730</u>	Received on ice: <u>(Y)</u> N	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>4/27/23</u>	Time <u>315</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>4/27/23</u>	Time <u>8:15</u>	T1 _____ T2 _____ T3 _____	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						AVG Temp °C <u>4</u>	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							

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


envirotech



Envirotech Analytical Laboratory

Printed: 4/27/2023 12:41:18PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/27/23 08:15	Work Order ID:	E304193
Phone:	(575) 631-6977	Date Logged In:	04/27/23 08:32	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	05/03/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

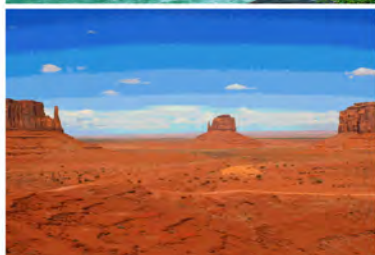
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 1H

Work Order: E306070

Job Number: 01058-0007

Received: 6/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/12/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Diamond PWU 22 1H
Workorder: E306070
Date Received: 6/9/2023 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2023 6:00:00AM, under the Project Name: Diamond PWU 22 1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
1 CS	6
2 CS	7
3 CS	8
4 CS	9
5 CS	10
6 CS	11
7 CS	12
8 CS	13
9 CS	14
10 CS	15
11 CS	16
12 CS	17
13 CS	18
15 CS	19
16 CS	20
17 CS	21
18 CS	22
19 CS	23
20 CS	24
QC Summary Data	25

Table of Contents (continued)

QC - Volatile Organics by EPA 8021B	25
QC - Nonhalogenated Organics by EPA 8015D - GRO	26
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	27
QC - Anions by EPA 300.0/9056A	28
Definitions and Notes	29
Chain of Custody etc.	30

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/12/23 16:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1 CS	E306070-01A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
2 CS	E306070-02A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
3 CS	E306070-03A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
4 CS	E306070-04A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
5 CS	E306070-05A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
6 CS	E306070-06A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
7 CS	E306070-07A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
8 CS	E306070-08A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
9 CS	E306070-09A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
10 CS	E306070-10A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
11 CS	E306070-11A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
12 CS	E306070-12A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
13 CS	E306070-13A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
14 CS	E306070-14A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
15 CS	E306070-15A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
16 CS	E306070-16A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
17 CS	E306070-17A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
18 CS	E306070-18A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
19 CS	E306070-19A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
20 CS	E306070-20A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

1 CS

E306070-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2323057	
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2323057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2323067	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	59.4 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2323062	
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

2 CS

E306070-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	56.9 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

3 CS

E306070-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	56.7 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

4 CS

E306070-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	59.7 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

5 CS

E306070-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	79.5 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

6 CS

E306070-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	74.7 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

7 CS

E306070-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	80.1 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

8 CS

E306070-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	81.5 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

9 CS

E306070-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	67.3 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

10 CS

E306070-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	68.6 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

11 CS

E306070-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	69.2 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

12 CS

E306070-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	71.2 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

13 CS

E306070-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	60.6 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

15 CS

E306070-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	59.1 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

16 CS

E306070-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	60.7 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

17 CS

E306070-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	59.3 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

18 CS

E306070-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	80.3 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

19 CS

E306070-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	81.4 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:09:00PM

20 CS

E306070-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323067
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	82.7 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323062
Chloride	ND	20.0	1	06/09/23	06/09/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 4:09:00PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2323057-BLK1)

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			

LCS (2323057-BS1)

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	4.85	0.0250	5.00		97.1	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.3	70-130			
Toluene	4.97	0.0250	5.00		99.5	70-130			
o-Xylene	4.96	0.0250	5.00		99.3	70-130			
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130			
Total Xylenes	14.8	0.0250	15.0		98.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

Matrix Spike (2323057-MS1)

Source: E306070-07

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.20	0.0250	5.00	ND	104	61-130			
o-Xylene	5.17	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			

Matrix Spike Dup (2323057-MSD1)

Source: E306070-07

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	5.16	0.0250	5.00	ND	103	54-133	2.04	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133	1.50	20	
Toluene	5.30	0.0250	5.00	ND	106	61-130	1.80	20	
o-Xylene	5.26	0.0250	5.00	ND	105	63-131	1.72	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	1.59	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	1.63	20	
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported: 6/12/2023 4:09:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2323057-BLK1) Prepared: 06/08/23 Analyzed: 06/09/23

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

LCS (2323057-BS2) Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

Matrix Spike (2323057-MS2) Source: E306070-07 Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.2	70-130			

Matrix Spike Dup (2323057-MSD2) Source: E306070-07 Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130	3.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported: 6/12/2023 4:09:00PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2323067-BLK1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	33.2		50.0		66.4	50-200			

LCS (2323067-BS1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	234	25.0	250		93.7	38-132			
Surrogate: n-Nonane	35.1		50.0		70.3	50-200			

Matrix Spike (2323067-MS1)					Source: E306070-12		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.7	38-132			
Surrogate: n-Nonane	35.2		50.0		70.3	50-200			

Matrix Spike Dup (2323067-MSD1)					Source: E306070-12		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	5.19	20	
Surrogate: n-Nonane	32.8		50.0		65.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 4:09:00PM

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 (2323062-BLK1)					Prepared: 06/09/23 Analyzed: 06/09/23				
Chloride	ND	20.0							
LCS (2323062-BS1)					Prepared: 06/09/23 Analyzed: 06/09/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2323062-MS1)					Source: E306070-01		Prepared: 06/09/23 Analyzed: 06/09/23		
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2323062-MSD1)					Source: E306070-01		Prepared: 06/09/23 Analyzed: 06/09/23		
Chloride	253	20.0	250	ND	101	80-120	0.990	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:	Diamond PWU 22 1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/12/23 16:09

- 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 10

Client: Pima Environmental Services Project: <u>Diamond PUL 22.1 H</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: <u>Devon</u> Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>1-281-3</u>					Lab Use Only Lab WO# <u>E306070</u> Job Number <u>0056-0007</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/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
8:00	6/8	S	1	1 CS	1							X								
8:05				2 CS	2															
8:10				3 CS	3															
8:15				4 CS	4															
8:20				5 CS	5															
8:25				6 CS	6															
8:30				7 CS	7															
8:35				8 CS	8															
8:40				9 CS	9															
8:45				10 CS	10															
Additional Instructions: <u>B#21145598</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>Yasmine Adams</u> Date <u>6/8/23</u> Time <u>200</u>										Received by: (Signature) <u>Michelle Cuyals</u> Date <u>6-8-23</u> Time <u>1400</u>										
Relinquished by: (Signature) <u>Michelle Cuyals</u> Date <u>6-8-23</u> Time <u>1715</u>										Received by: (Signature) <u>Allen Muro</u> Date <u>6-8-23</u> Time <u>1830</u>										
Relinquished by: (Signature) <u>Allen Muro</u> Date <u>6-9-23</u> Time <u>0100</u>										Received by: (Signature) <u>Caith Man</u> Date <u>6/9/23</u> Time <u>10:00</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Project Information

Chain of Custody

Page 2 of 10

Client: Pima Environmental Services Project: <u>Diamond PWO 221H</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</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-281-3</u>		Lab Use Only Lab WO# <u>E300070</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
8:50	6/8	S	1	11	11								X			
8:55				12	12											
9:00				13	13											
9:05				14	14											
9:10				15	15											
9:15				16	16											
9:20				17	17											
9:25				18	18											
9:30				19	19											
9:35				20	20											

Additional Instructions:

B# 21145598

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

Sampled by:

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

Relinquished by: (Signature) <u>Karsine Adams</u>	Date <u>6/8/23</u>	Time <u>200</u>	Received by: (Signature) <u>Micellee Gonzales</u>	Date <u>6-8-23</u>	Time <u>1400</u>	Lab Use Only Received on ice: ☒ N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Micellee Gonzales</u>	Date <u>6-8-23</u>	Time <u>1715</u>	Received by: (Signature) <u>Andrew Musso</u>	Date <u>6-8-23</u>	Time <u>1830</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date <u>6-9-23</u>	Time <u>0100</u>	Received by: (Signature) <u>Carth Maus</u>	Date <u>6/9/23</u>	Time <u>01:00</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: 6/12/2023 4:06:34PM

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:	06/09/23 06:00	Work Order ID:	E306070
Phone:	(575) 631-6977	Date Logged In:	06/08/23 15:32	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/12/23 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Diamond PWU 22 1H has been separated into 5 reports due to high sample volume. Workorders are as follow: E306070, E306071, E306072, E306073 & E306074. Sample 14 CS not received.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 10

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Diamond PUL 221A</u>					Attention: <u>Devon</u>		Lab WO# <u>E300070</u>		Job Number <u>0056-0007</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: tom@pimaoil.com					Pima Project # <u>1-281-3</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BDOC NM	BDOC TX		Remarks
8:00	6/8	S	1	1 CS	1								X			Added CS
8:05				2 CS	2											to sample
8:10				3 CS	3											names per
8:15				4 CS	4											Client
8:20				5 CS	5											6/9/23 CM
8:25				6 CS	6											
8:30				7 CS	7											
8:35				8 CS	8											
8:40				9 CS	9											
8:45				10 CS	10											
Additional Instructions: <u>B#21145598</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Yasmine Adams</u>		<u>6/8/23</u>	<u>200</u>	<u>Michelle Engels</u>		<u>6-8-23</u>	<u>1400</u>	Received on ice: <u>(Y)</u> N								
<u>Michelle Engels</u>		<u>6-8-23</u>	<u>1715</u>	<u>Andrew Mueso</u>		<u>6-8-23</u>	<u>1830</u>	T1 _____ T2 _____ T3 _____								
<u>Andrew Mueso</u>		<u>6-9-23</u>	<u>0100</u>	<u>Carthyn Man</u>		<u>6/9/23</u>	<u>10:00</u>	AVG Temp °C <u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																


envirotech

Project Information

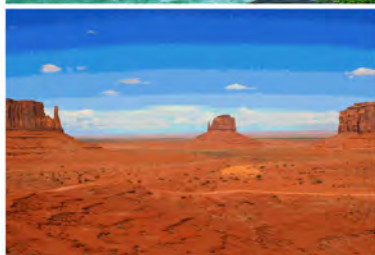
Chain of Custody

Page 2 of 10

Client: Pima Environmental Services Project: <u>Diamond PWD 221H</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>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-281-3</u>					Lab Use Only Lab WO# <u>E306070</u> Job Number <u>01058-0007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM BGDOC TX BGDOC					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											Remarks			
8:50	6/8	S	1	11 CS	11														
8:55				12 CS	12														
9:00				13 CS	13														
9:05				14 CS	14														
9:10				15 CS	15											Sample not received 6/9/23 CM			
9:15				16 CS	16														
9:20				17 CS	17														
9:25				18 CS	18														
9:30				19 CS	19														
9:35				20 CS	20														
Additional Instructions: <u>B# 21145598</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) <u>Karime Adams</u> Date <u>6/8/23</u> Time <u>2:00</u>					Received by: (Signature) <u>Micelle Conzalez</u> Date <u>6-8-23</u> Time <u>14:00</u>					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>Micelle Conzalez</u> Date <u>6-8-23</u> Time <u>17:15</u>					Received by: (Signature) <u>AMPA m450</u> Date <u>6-8-23</u> Time <u>18:30</u>					Lab Use Only Received on ice: <u>Y N</u>									
Relinquished by: (Signature) <u>Andrew m450</u> Date <u>6-9-23</u> Time <u>01:00</u>					Received by: (Signature) <u>Carth Mann</u> Date <u>6/9/23</u> Time <u>6:00</u>					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.																			



Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 1H

Work Order: E306072

Job Number: 01058-0007

Received: 6/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/12/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Diamond PWU 22 1H
Workorder: E306072
Date Received: 6/9/2023 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2023 6:00:00AM, under the Project Name: Diamond PWU 22 1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
41 CS	6
42 CS	7
43 CS	8
44 CS	9
45 CS	10
46 CS	11
47 CS	12
48 CS	13
49 CS	14
50 CS	15
51 CS	16
52 CS	17
53 CS	18
54 CS	19
55 CS	20
56 CS	21
57 CS	22
58 CS	23
59 CS	24
60 CS	25

Table of Contents (continued)

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

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/12/23 16:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
41 CS	E306072-01A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
42 CS	E306072-02A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
43 CS	E306072-03A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
44 CS	E306072-04A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
45 CS	E306072-05A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
46 CS	E306072-06A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
47 CS	E306072-07A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
48 CS	E306072-08A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
49 CS	E306072-09A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
50 CS	E306072-10A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
51 CS	E306072-11A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
52 CS	E306072-12A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
53 CS	E306072-13A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
54 CS	E306072-14A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
55 CS	E306072-15A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
56 CS	E306072-16A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
57 CS	E306072-17A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
58 CS	E306072-18A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
59 CS	E306072-19A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
60 CS	E306072-20A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

41 CS E306072-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: Bromofluorobenzene</i>	<i>99.0 %</i>	<i>70-130</i>		<i>06/08/23</i>	<i>06/09/23</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>103 %</i>	<i>70-130</i>		<i>06/08/23</i>	<i>06/09/23</i>	
<i>Surrogate: Toluene-d8</i>	<i>92.9 %</i>	<i>70-130</i>		<i>06/08/23</i>	<i>06/09/23</i>	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: Bromofluorobenzene</i>	<i>99.0 %</i>	<i>70-130</i>		<i>06/08/23</i>	<i>06/09/23</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>103 %</i>	<i>70-130</i>		<i>06/08/23</i>	<i>06/09/23</i>	
<i>Surrogate: Toluene-d8</i>	<i>92.9 %</i>	<i>70-130</i>		<i>06/08/23</i>	<i>06/09/23</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>	<i>59.4 %</i>	<i>50-200</i>		<i>06/08/23</i>	<i>06/09/23</i>	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

42 CS

E306072-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	57.6 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

43 CS

E306072-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	93.6 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	93.6 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	60.4 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

44 CS

E306072-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.5 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.5 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	62.2 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

45 CS

E306072-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	55.6 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

46 CS

E306072-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	93.2 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	93.2 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	55.4 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

47 CS

E306072-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	98.3 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.3 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	98.3 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.3 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	78.5 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

48 CS

E306072-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	81.2 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

49 CS

E306072-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		102 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		105 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		102 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		105 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		80.6 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

50 CS

E306072-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		84.2 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

51 CS

E306072-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	104 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.6 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	104 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	80.7 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

52 CS

E306072-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	103 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	103 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	70.0 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

53 CS

E306072-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	103 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	103 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	71.8 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

54 CS

E306072-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		102 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		102 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		71.7 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

55 CS

E306072-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		72.5 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

56 CS

E306072-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		80.3 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

57 CS

E306072-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		74.8 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

58 CS

E306072-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		65.2 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

59 CS

E306072-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		68.5 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 4:13:48PM

60 CS

E306072-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323069
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		67.8 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323064
Chloride	ND	20.0	1	06/08/23	06/09/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 4:13:48PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2323059-BLK1)

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2323059-BS1)

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	2.27	0.0250	2.50		90.6	70-130			
Ethylbenzene	2.27	0.0250	2.50		90.7	70-130			
Toluene	2.32	0.0250	2.50		92.8	70-130			
o-Xylene	2.35	0.0250	2.50		94.0	70-130			
p,m-Xylene	4.65	0.0500	5.00		92.9	70-130			
Total Xylenes	7.00	0.0250	7.50		93.3	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike (2323059-MS1)

Source: E306072-09

Prepared: 06/08/23 Analyzed: 06/12/23

Benzene	2.27	0.0250	2.50	ND	90.9	48-131			
Ethylbenzene	2.26	0.0250	2.50	ND	90.3	45-135			
Toluene	2.30	0.0250	2.50	ND	92.1	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.7	43-135			
p,m-Xylene	4.70	0.0500	5.00	ND	93.9	43-135			
Total Xylenes	7.06	0.0250	7.50	ND	94.2	43-135			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike Dup (2323059-MSD1)

Source: E306072-09

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	2.17	0.0250	2.50	ND	86.7	48-131	4.80	23	
Ethylbenzene	2.16	0.0250	2.50	ND	86.4	45-135	4.37	27	
Toluene	2.21	0.0250	2.50	ND	88.3	48-130	4.19	24	
o-Xylene	2.29	0.0250	2.50	ND	91.6	43-135	3.28	27	
p,m-Xylene	4.49	0.0500	5.00	ND	89.7	43-135	4.55	27	
Total Xylenes	6.78	0.0250	7.50	ND	90.4	43-135	4.13	27	
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 4:13:48PM

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 (2323059-BLK1)

Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS (2323059-BS2)

Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

Matrix Spike (2323059-MS2)

Source: E306072-09

Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	91.9	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike Dup (2323059-MSD2)

Source: E306072-09

Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130	15.2	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported: 6/12/2023 4:13:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2323069-BLK1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	35.2		50.0		70.3	50-200			

LCS (2323069-BS1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	34.7		50.0		69.3	50-200			

Matrix Spike (2323069-MS1)					Source: E306072-17		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	34.5		50.0		68.9	50-200			

Matrix Spike Dup (2323069-MSD1)					Source: E306072-17		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	107	38-132	2.62	20	
Surrogate: n-Nonane	36.4		50.0		72.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 4:13:48PM

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 (2323064-BLK1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Chloride	ND	20.0							
LCS (2323064-BS1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2323064-MS1)					Source: E306072-01		Prepared: 06/08/23 Analyzed: 06/09/23		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2323064-MSD1)					Source: E306072-01		Prepared: 06/08/23 Analyzed: 06/09/23		
Chloride	252	20.0	250	ND	101	80-120	1.51	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:	Diamond PWU 22 1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/12/23 16:13

- 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 10

Client: Pima Environmental Services Project: <u>Diamond PWO 222H</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</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-281-3</u>					Lab Use Only Lab WO# <u>E300072</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
														RCRA						
														State NM CO UT AZ TX						
														Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0									
11:20	6/8	S	1	41 CS	1															
11:25				42 CS	2															
11:30				43 CS	3															
11:35				44 CS	4															
11:40				45 CS	5															
11:45				46 CS	6															
11:50				47 CS	7															
11:55				48 CS	8															
12:00 PM				49 CS	9															
12:05				50 CS	10															
Additional Instructions: <u>BH 21145598</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													
<u>Kerime Atame</u>		6/8/23	200	<u>Micella Gungor</u>		6-8-23	1400													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
<u>Micella Gungor</u>		6-8-23	1715	<u>Alban Miso</u>		6-8-23	1830													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
<u>Alban Miso</u>		6-9-23	0100	<u>Cathy Ma</u>		6/9/23	6:00													
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 6 of 10

Client: Pima Environmental Services Project: <u>Diamond POU 221 H</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</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-281-3</u>					Lab Use Only Lab WO# <u>E3010072</u> Job Number <u>Q058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
										NM CO UT AZ TX ☒				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									
12:10	6/8	S	1	51 CS	11															
12:15				52 CS	12															
12:20				53 CS	13															
12:25				54 CS	14															
12:30				55 CS	15															
12:35				56 CS	16															
12:40				57 CS	17															
12:45				58 CS	18															
12:50				59 CS	19															
12:55				60 CS	20															
Additional Instructions: <u>B# 211455 98</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>Varine Adams</u> Date <u>6/8/23</u> Time <u>200</u>					Received by: (Signature) <u>William Campbell</u> Date <u>6-8-23</u> Time <u>1400</u>					Lab Use Only Received on ice: <u>(Y) / N</u>										
Relinquished by: (Signature) <u>Michael Campbell</u> Date <u>6-8-23</u> Time <u>1715</u>					Received by: (Signature) <u>Mark M...</u> Date <u>6-8-23</u> Time <u>1830</u>					T1 T2 T3										
Relinquished by: (Signature) <u>Andrew M...</u> Date <u>6-9-23</u> Time <u>0100</u>					Received by: (Signature) <u>Chris M...</u> Date <u>6/9/23</u> Time <u>6:00</u>					AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 6/9/2023 9:03:03AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/09/23 06:00	Work Order ID:	E306072
Phone:	(575) 631-6977	Date Logged In:	06/08/23 15:36	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/09/23 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: CourierComments/Resolution

Project Diamond PWU 22 1H has been separated into 5 reports due to high sample volume. Workorders are as follow: E306070, E306071, E306072, E306073 & E306074.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

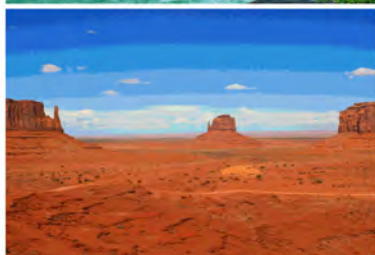
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 1H

Work Order: E306073

Job Number: 01058-0007

Received: 6/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/12/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Diamond PWU 22 1H
Workorder: E306073
Date Received: 6/9/2023 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2023 6:00:00AM, under the Project Name: Diamond PWU 22 1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
61 CS	6
62 CS	7
63 CS	8
64 CS	9
65 CS	10
66 CS	11
67 CS	12
68 CS	13
CSW1	14
CSW2	15
CSW3	16
CSW4	17
CSW5	18
CSW6	19
CSW7	20
CSW8	21
CSW9	22
CSW10	23
QC Summary Data	24
QC - Volatile Organics by EPA 8021B	24

Table of Contents (continued)

QC - Nonhalogenated Organics by EPA 8015D - GRO	25
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	26
QC - Anions by EPA 300.0/9056A	27
Definitions and Notes	28
Chain of Custody etc.	29

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/12/23 15:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
61 CS	E306073-01A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
62 CS	E306073-02A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
63 CS	E306073-03A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
64 CS	E306073-04A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
65 CS	E306073-05A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
66 CS	E306073-06A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
67 CS	E306073-07A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
68 CS	E306073-08A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW1	E306073-09A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW2	E306073-10A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW3	E306073-11A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW4	E306073-12A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW5	E306073-13A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW6	E306073-14A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW7	E306073-15A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW8	E306073-16A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW9	E306073-17A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW10	E306073-18A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

61 CS E306073-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2323060	
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2323060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2323070	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	67.0 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2323065	
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

62 CS

E306073-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.5 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		68.0 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

63 CS

E306073-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.9 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		68.3 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

64 CS

E306073-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.1 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		67.1 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

65 CS

E306073-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		92.5 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

66 CS

E306073-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		91.8 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

67 CS

E306073-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		94.1 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

68 CS

E306073-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.1 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		85.1 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW1

E306073-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.7 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		72.1 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW2

E306073-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.6 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		72.7 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW3

E306073-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	71.4 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW4

E306073-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	71.4 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW5

E306073-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	76.9 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW6

E306073-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.7 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
		77.6 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW7

E306073-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	78.0 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW8

E306073-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	78.3 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW9

E306073-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	66.4 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:48:10PM

CSW10

E306073-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323060
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.5 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323070
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>						
	66.5 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323065
Chloride	ND	20.0	1	06/09/23	06/09/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported: 6/12/2023 3:48:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2323060-BLK1) Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

LCS (2323060-BS1) Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.21	0.0250	5.00		104	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike (2323060-MS1) Source: E306073-01 Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	5.21	0.0250	5.00	ND	104	54-133			
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133			
Toluene	5.35	0.0250	5.00	ND	107	61-130			
o-Xylene	5.35	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

Matrix Spike Dup (2323060-MSD1) Source: E306073-01 Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	4.65	0.0250	5.00	ND	93.0	54-133	11.3	20	
Ethylbenzene	4.55	0.0250	5.00	ND	91.0	61-133	10.7	20	
Toluene	4.79	0.0250	5.00	ND	95.8	61-130	11.1	20	
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131	10.8	20	
p,m-Xylene	9.40	0.0500	10.0	ND	94.0	63-131	10.4	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.6	63-131	10.6	20	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:48:10PM

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 (2323060-BLK1) Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	70-130			

LCS (2323060-BS2) Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

Matrix Spike (2323060-MS2) Source: E306073-01 Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

Matrix Spike Dup (2323060-MSD2) Source: E306073-01 Prepared: 06/08/23 Analyzed: 06/12/23

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	17.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:48:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2323070-BLK1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	32.2		50.0		64.4	50-200			

LCS (2323070-BS1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	212	25.0	250		85.0	38-132			
Surrogate: n-Nonane	30.5		50.0		61.0	50-200			

Matrix Spike (2323070-MS1)					Source: E306073-04		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.2	38-132			
Surrogate: n-Nonane	31.0		50.0		62.0	50-200			

Matrix Spike Dup (2323070-MSD1)					Source: E306073-04		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.7	38-132	3.94	20	
Surrogate: n-Nonane	31.3		50.0		62.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:48:10PM

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 (2323065-BLK1)					Prepared: 06/09/23 Analyzed: 06/12/23				
Chloride	ND	20.0							
LCS (2323065-BS1)					Prepared: 06/09/23 Analyzed: 06/12/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2323065-MS1)					Source: E306073-01		Prepared: 06/09/23 Analyzed: 06/12/23		
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2323065-MSD1)					Source: E306073-01		Prepared: 06/09/23 Analyzed: 06/12/23		
Chloride	261	20.0	250	ND	104	80-120	0.684	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:	Diamond PWU 22 1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/12/23 15:48

- 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 10

Client: Pima Environmental Services Project: <u>Diamond RWU 22TH</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:					Bill To: <u>Devon</u> Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-281-3</u>					Lab Use Only Lab WO# <u>E3010073</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						
														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									
1:00	6/8	S	1	61 CS	1															
1:05				62 CS	2															
1:10				63 CS	3															
1:15				64 CS	4															
1:20				65 CS	5															
1:25				66 CS	6															
1:30				67 CS	7															
1:35				68 CS	8															
Additional Instructions: <u>B# 21145598</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: <u>(X) N</u>												
<u>Kevin Adams</u> <u>Micelle Cuyk</u> <u>Andrew Meso</u>		<u>6/8/23</u> <u>6-8-23</u> <u>6-8-23</u>	<u>200</u> <u>1715</u> <u>0100</u>	<u>Micelle Cuyk</u> <u>Andrew Meso</u> <u>Carth Ma</u>		<u>6-8-23</u> <u>6-8-23</u> <u>6/9/23</u>	<u>1400</u> <u>1830</u> <u>01:00</u>	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.																				

Project Information

Chain of Custody

Page 8 of 10

Client: Pima Environmental Services Project: <u>Diamond RW 221H</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-281-3</u>					Lab Use Only Lab WO# <u>E306073</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
										NM CO UT AZ TX <u>X</u>				RCRA						
										NM TX <u>X</u>				State						
										BGDOC NM BGDOC 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									
1:40	6/8	S	1	CSW1	9															
1:45				CSW2	10															
1:50				CSW3	11															
1:55				CSW4	12															
2:00				CSW5	13															
2:05				CSW6	14															
2:10				CSW7	15															
2:15				CSW8	16															
2:20				CSW9	17															
2:25				CSW10	18															
Additional Instructions: <u>B# 21145598</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>Varine Adams</u> Date <u>6/8/23</u> Time <u>200</u>												Received by: (Signature) <u>Michelle Camp</u> Date <u>6-8-23</u> Time <u>1400</u>								
Relinquished by: (Signature) <u>Michelle Camp</u> Date <u>6-8-23</u> Time <u>1715</u>												Received by: (Signature) <u>Michelle Camp</u> Date <u>6-8-23</u> Time <u>1830</u>								
Relinquished by: (Signature) <u>Michelle Camp</u> Date <u>6-9-23</u> Time <u>0100</u>												Received by: (Signature) <u>Michelle Camp</u> Date <u>6/9/23</u> Time <u>16:00</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: 6/9/2023 9:04:04AM

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:	06/09/23 06:00	Work Order ID:	E306073
Phone:	(575) 631-6977	Date Logged In:	06/08/23 15:41	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/09/23 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: CourierComments/Resolution

Project Diamond PWU 22 1H has been separated into 5 reports due to high sample volume. Workorders are as follow: E306070, E306071, E306072, E306073 & E306074.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

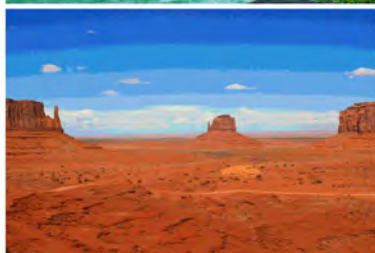
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 1H

Work Order: E306074

Job Number: 01058-0007

Received: 6/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/12/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Diamond PWU 22 1H
Workorder: E306074
Date Received: 6/9/2023 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2023 6:00:00AM, under the Project Name: Diamond PWU 22 1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CSW11	5
CSW12	6
CSW13	7
CSW14	8
CSW15	9
CSW16	10
CSW17	11
CSW18	12
CSW19	13
CSW20	14
CSW21	15
CSW22	16
CSW23	17
QC Summary Data	18
QC - Volatile Organic Compounds by EPA 8260B	18
QC - Nonhalogenated Organics by EPA 8015D - GRO	19
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	20
QC - Anions by EPA 300.0/9056A	21
Definitions and Notes	22
Chain of Custody etc.	23

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported: 06/12/23 15:40
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
CSW11	E306074-01A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW12	E306074-02A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW13	E306074-03A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW14	E306074-04A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW15	E306074-05A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW16	E306074-06A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW17	E306074-07A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW18	E306074-08A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW19	E306074-09A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW20	E306074-10A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW21	E306074-11A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW22	E306074-12A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
CSW23	E306074-13A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW11

E306074-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: Bromofluorobenzene</i>	98.9 %	70-130		06/08/23	06/09/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %	70-130		06/08/23	06/09/23	
<i>Surrogate: Toluene-d8</i>	91.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: Bromofluorobenzene</i>	98.9 %	70-130		06/08/23	06/09/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %	70-130		06/08/23	06/09/23	
<i>Surrogate: Toluene-d8</i>	91.9 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>	73.6 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW12

E306074-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/12/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/12/23	
Toluene	ND	0.0250	1	06/08/23	06/12/23	
o-Xylene	ND	0.0250	1	06/08/23	06/12/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/12/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/12/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		06/08/23	06/12/23	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		06/08/23	06/12/23	
Surrogate: Toluene-d8	104 %	70-130		06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/12/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		06/08/23	06/12/23	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		06/08/23	06/12/23	
Surrogate: Toluene-d8	104 %	70-130		06/08/23	06/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	85.4 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW13

E306074-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.0 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.0 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	83.3 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW14

E306074-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	91.7 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	91.7 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	85.1 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW15

E306074-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.1 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.1 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	85.2 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW16

E306074-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	71.8 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW17

E306074-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	105 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.8 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	105 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	72.1 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW18

E306074-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		71.4 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW19

E306074-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		106 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		101 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		106 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		77.6 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW20

E306074-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		77.2 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW21

E306074-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		76.8 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW22

E306074-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		62.9 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:40:43PM

CSW23

E306074-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		108 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2323061
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		108 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323071
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		67.4 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323066
Chloride	ND	20.0	1	06/08/23	06/09/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:40:43PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2323061-BLK1)

Prepared: 06/08/23 Analyzed: 06/10/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS (2323061-BS1)

Prepared: 06/08/23 Analyzed: 06/10/23

Benzene	2.16	0.0250	2.50		86.5	70-130			
Ethylbenzene	2.15	0.0250	2.50		86.0	70-130			
Toluene	2.20	0.0250	2.50		87.9	70-130			
o-Xylene	2.25	0.0250	2.50		89.9	70-130			
p,m-Xylene	4.43	0.0500	5.00		88.6	70-130			
Total Xylenes	6.68	0.0250	7.50		89.1	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2323061-MS1)

Source: E306074-02

Prepared: 06/08/23 Analyzed: 06/10/23

Benzene	2.25	0.0250	2.50	ND	90.1	48-131			
Ethylbenzene	2.28	0.0250	2.50	ND	91.2	45-135			
Toluene	2.32	0.0250	2.50	ND	92.8	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.1	43-135			
p,m-Xylene	4.70	0.0500	5.00	ND	93.9	43-135			
Total Xylenes	7.10	0.0250	7.50	ND	94.6	43-135			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

Matrix Spike Dup (2323061-MSD1)

Source: E306074-02

Prepared: 06/08/23 Analyzed: 06/10/23

Benzene	2.20	0.0250	2.50	ND	88.0	48-131	2.38	23	
Ethylbenzene	2.22	0.0250	2.50	ND	88.6	45-135	2.89	27	
Toluene	2.26	0.0250	2.50	ND	90.4	48-130	2.69	24	
o-Xylene	2.31	0.0250	2.50	ND	92.5	43-135	3.78	27	
p,m-Xylene	4.55	0.0500	5.00	ND	90.9	43-135	3.22	27	
Total Xylenes	6.86	0.0250	7.50	ND	91.5	43-135	3.41	27	
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported: 6/12/2023 3:40:43PM
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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2323061-BLK1) Prepared: 06/08/23 Analyzed: 06/10/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS (2323061-BS2) Prepared: 06/08/23 Analyzed: 06/10/23

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

Matrix Spike (2323061-MS2) Source: E306074-02 Prepared: 06/08/23 Analyzed: 06/10/23

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.8	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike Dup (2323061-MSD2) Source: E306074-02 Prepared: 06/08/23 Analyzed: 06/10/23

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130	3.55	20	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:40:43PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2323071-BLK1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.6		50.0		81.2	50-200			

LCS (2323071-BS1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	40.8		50.0		81.6	50-200			

Matrix Spike (2323071-MS1)					Source: E306074-03		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	41.6		50.0		83.2	50-200			

Matrix Spike Dup (2323071-MSD1)					Source: E306074-03		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132	0.176	20	
Surrogate: n-Nonane	41.2		50.0		82.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:40:43PM

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 (2323066-BLK1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Chloride	ND	20.0							
LCS (2323066-BS1)					Prepared: 06/08/23 Analyzed: 06/12/23				
Chloride	246	20.0	250		98.6	90-110			
Matrix Spike (2323066-MS1)					Source: E306074-01		Prepared: 06/08/23 Analyzed: 06/12/23		
Chloride	250	20.0	250	ND	99.8	80-120			
Matrix Spike Dup (2323066-MSD1)					Source: E306074-01		Prepared: 06/08/23 Analyzed: 06/12/23		
Chloride	248	20.0	250	ND	99.1	80-120	0.745	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:	Diamond PWU 22 1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/12/23 15:40

- 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 10

Client: Pima Environmental Services Project: Diamond RW 22TH 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 # 1-281-3					Lab Use Only Lab WO# E306074 Job Number 07058-0007					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					NM BGDOC TX				RCRA State NM CO UT AZ TX						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													Remarks		
2:30	6/8	S		CSW 11	1															
2:35				CSW 12	2															
2:40				CSW 13	3															
2:45				CSW 14	4															
2:50				CSW 15	5															
2:55				CSW 16	6															
3:00				CSW 17	7															
3:05				CSW 18	8															
3:10				CSW 19	9															
3:15				CSW 20	10															
Additional Instructions: BH 211455 98																				
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>Kevin Adams</i> Date 6/8/23 Time 200											Received by: (Signature) <i>Michelle Cuyf</i> Date 6-8-23 Time 1400									
Relinquished by: (Signature) <i>Michelle Cuyf</i> Date 6-8-23 Time 1715											Received by: (Signature) <i>Michelle Cuyf</i> Date 6-8-23 Time 1830									
Relinquished by: (Signature) <i>Michelle Cuyf</i> Date 6-8-23 Time 0100											Received by: (Signature) <i>Michelle Cuyf</i> Date 6/9/23 Time 0500									
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: 6/9/2023 9:05:49AM

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:	06/09/23 06:00	Work Order ID:	E306074
Phone:	(575) 631-6977	Date Logged In:	06/08/23 15:45	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/09/23 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: CourierComments/Resolution

Project Diamond PWU 22 1H has been separated into 5 reports due to high sample volume. Workorders are as follow: E306070, E306071, E306072, E306073 & E306074.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

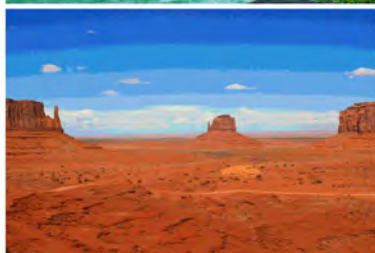
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 1H

Work Order: E306071

Job Number: 01058-0007

Received: 6/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/12/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/12/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Diamond PWU 22 1H
Workorder: E306071
Date Received: 6/9/2023 6:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/9/2023 6:00:00AM, under the Project Name: Diamond PWU 22 1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
21 CS	6
22 CS	7
23 CS	8
24 CS	9
25 CS	10
26 CS	11
27 CS	12
28 CS	13
29 CS	14
30 CS	15
31 CS	16
32 CS	17
33 CS	18
34 CS	19
35 CS	20
36 CS	21
37 CS	22
38 CS	23
39 CS	24
40 CS	25

Table of Contents (continued)

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

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/12/23 15:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
21 CS	E306071-01A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
22 CS	E306071-02A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
23 CS	E306071-03A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
24 CS	E306071-04A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
25 CS	E306071-05A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
26 CS	E306071-06A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
27 CS	E306071-07A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
28 CS	E306071-08A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
29 CS	E306071-09A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
30 CS	E306071-10A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
31 CS	E306071-11A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
32 CS	E306071-12A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
33 CS	E306071-13A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
34 CS	E306071-14A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
35 CS	E306071-15A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
36 CS	E306071-16A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
37 CS	E306071-17A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
38 CS	E306071-18A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
39 CS	E306071-19A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.
40 CS	E306071-20A	Soil	06/08/23	06/09/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond PWU 22 1H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/12/2023 3:57:47PM
---	---	---

21 CS

E306071-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
<i>Surrogate: Bromofluorobenzene</i>	98.9 %	70-130		06/08/23	06/09/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	100 %	70-130		06/08/23	06/09/23	
<i>Surrogate: Toluene-d8</i>	93.0 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
<i>Surrogate: Bromofluorobenzene</i>	98.9 %	70-130		06/08/23	06/09/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	100 %	70-130		06/08/23	06/09/23	
<i>Surrogate: Toluene-d8</i>	93.0 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
<i>Surrogate: n-Nonane</i>	69.5 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

22 CS

E306071-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.8 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	76.3 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

23 CS

E306071-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.1 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	92.1 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	67.7 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

24 CS

E306071-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		70.7 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

25 CS

E306071-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		61.5 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

26 CS

E306071-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		65.5 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

27 CS

E306071-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		63.1 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

28 CS

E306071-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		65.9 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

29 CS

E306071-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		107 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		70.1 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

30 CS

E306071-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		68.4 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

31 CS

E306071-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.2 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	105 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	99.2 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	105 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	68.9 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

32 CS

E306071-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		103 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		69.0 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

33 CS

E306071-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		105 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		100 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		105 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		66.0 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

34 CS

E306071-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		69.3 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

35 CS

E306071-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		74.1 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

36 CS

E306071-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		104 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		70.7 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

37 CS

E306071-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		105 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		102 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		57.8 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

38 CS

E306071-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		101 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		106 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		101 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		63.7 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

39 CS

E306071-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	105 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		06/08/23	06/09/23	
Surrogate: Toluene-d8	105 %	70-130		06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane	64.1 %	50-200		06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/12/2023 3:57:47PM

40 CS

E306071-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Benzene	ND	0.0250	1	06/08/23	06/09/23	
Ethylbenzene	ND	0.0250	1	06/08/23	06/09/23	
Toluene	ND	0.0250	1	06/08/23	06/09/23	
o-Xylene	ND	0.0250	1	06/08/23	06/09/23	
p,m-Xylene	ND	0.0500	1	06/08/23	06/09/23	
Total Xylenes	ND	0.0250	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		103 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2323058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/08/23	06/09/23	
Surrogate: Bromofluorobenzene		103 %	70-130	06/08/23	06/09/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	06/08/23	06/09/23	
Surrogate: Toluene-d8		104 %	70-130	06/08/23	06/09/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2323068
Diesel Range Organics (C10-C28)	ND	25.0	1	06/08/23	06/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/08/23	06/09/23	
Surrogate: n-Nonane		66.2 %	50-200	06/08/23	06/09/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2323063
Chloride	ND	20.0	1	06/09/23	06/09/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:57:47PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2323058-BLK1)

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2323058-BS1)

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	2.26	0.0250	2.50		90.6	70-130			
Ethylbenzene	2.36	0.0250	2.50		94.3	70-130			
Toluene	2.30	0.0250	2.50		92.1	70-130			
o-Xylene	2.39	0.0250	2.50		95.8	70-130			
p,m-Xylene	4.66	0.0500	5.00		93.2	70-130			
Total Xylenes	7.05	0.0250	7.50		94.0	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike (2323058-MS1)

Source: E306071-08

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	2.17	0.0250	2.50	ND	86.9	48-131			
Ethylbenzene	2.25	0.0250	2.50	ND	89.9	45-135			
Toluene	2.21	0.0250	2.50	ND	88.3	48-130			
o-Xylene	2.33	0.0250	2.50	ND	93.1	43-135			
p,m-Xylene	4.54	0.0500	5.00	ND	90.7	43-135			
Total Xylenes	6.86	0.0250	7.50	ND	91.5	43-135			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			

Matrix Spike Dup (2323058-MSD1)

Source: E306071-08

Prepared: 06/08/23 Analyzed: 06/09/23

Benzene	2.23	0.0250	2.50	ND	89.1	48-131	2.45	23	
Ethylbenzene	2.31	0.0250	2.50	ND	92.4	45-135	2.74	27	
Toluene	2.27	0.0250	2.50	ND	90.9	48-130	2.93	24	
o-Xylene	2.38	0.0250	2.50	ND	95.1	43-135	2.15	27	
p,m-Xylene	4.64	0.0500	5.00	ND	92.7	43-135	2.19	27	
Total Xylenes	7.02	0.0250	7.50	ND	93.5	43-135	2.18	27	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:57:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2323058-BLK1)

Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2323058-BS2)

Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0		99.9	70-130			
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike (2323058-MS2)

Source: E306071-08

Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.1	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	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			

Matrix Spike Dup (2323058-MSD2)

Source: E306071-08

Prepared: 06/08/23 Analyzed: 06/09/23

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.4	70-130	2.46	20	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:57:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2323068-BLK1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	30.9		50.0		61.8	50-200			

LCS (2323068-BS1)					Prepared: 06/08/23 Analyzed: 06/09/23				
Diesel Range Organics (C10-C28)	232	25.0	250		92.8	38-132			
Surrogate: n-Nonane	31.8		50.0		63.7	50-200			

Matrix Spike (2323068-MS1)					Source: E306071-06		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132			
Surrogate: n-Nonane	31.4		50.0		62.8	50-200			

Matrix Spike Dup (2323068-MSD1)					Source: E306071-06		Prepared: 06/08/23 Analyzed: 06/09/23		
Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.1	38-132	0.159	20	
Surrogate: n-Nonane	29.8		50.0		59.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/12/2023 3:57:47PM

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 (2323063-BLK1)					Prepared: 06/09/23 Analyzed: 06/09/23				
Chloride	ND	20.0							
LCS (2323063-BS1)					Prepared: 06/09/23 Analyzed: 06/09/23				
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2323063-MS1)					Source: E306071-01		Prepared: 06/09/23 Analyzed: 06/09/23		
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2323063-MSD1)					Source: E306071-01		Prepared: 06/09/23 Analyzed: 06/09/23		
Chloride	259	20.0	250	ND	104	80-120	0.103	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:	Diamond PWU 22 1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/12/23 15:57

- 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 3 of 10

Client: Pima Environmental Services Project: <u>Diamond PWD 22.1H</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</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-781-3</u>					Lab Use Only Lab WO# <u>E306071</u> Job Number <u>0058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM 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/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM	TX	Remarks						
9:40	6/8	S	1	21	1							X								
9:45				22	2															
9:50				23	3															
9:55				24	4															
10:00				25	5															
10:05				26	6															
10:10				27	7															
10:15				28	8															
10:20				29	9															
10:25				30	10															
Additional Instructions: <u>B#21145598</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>Varime Adams</u> Date <u>6/8/23</u> Time <u>200</u>					Received by: (Signature) <u>Michelle Cuyala</u> Date <u>6-8-23</u> Time <u>1400</u>					Lab Use Only Received on ice: ☒ Y ☐ N T1 T2 T3 AVG Temp °C <u>4</u>										
Relinquished by: (Signature) <u>Michelle Cuyala</u> Date <u>6-8-23</u> Time <u>1715</u>					Received by: (Signature) <u>Michelle Cuyala</u> Date <u>6-8-23</u> Time <u>1830</u>															
Relinquished by: (Signature) <u>Michelle Cuyala</u> Date <u>6-4-23</u> Time <u>0100</u>					Received by: (Signature) <u>Michelle Cuyala</u> Date <u>6/9/23</u> Time <u>06:00</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 10

Client: Pima Environmental Services Project: <u>Diamond RD 221-H</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</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-281-3</u>					Lab Use Only Lab WO# <u>E 306071</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			NM BGDOC	TX BGDOC		Remarks			
10:30	6/8	S	1	31 ES	11									X						
10:35				32 CS	12															
10:40				33 CS	13															
10:45				34 CS	14															
10:50				35 CS	15															
10:55				36 CS	16															
11:00				37 CS	17															
11:05				38 CS	18															
11:10				39 CS	19															
11:15				40 CS	20															
Additional Instructions: <u>B# 21145598</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>Kevin Arame</u> Date <u>6/8/23</u> Time <u>200</u>												Received by: (Signature) <u>Michelle Gonzales</u> Date <u>6-8-23</u> Time <u>1400</u>								
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>6-8-23</u> Time <u>1715</u>												Received by: (Signature) <u>Andrew Muro</u> Date <u>6-8-23</u> Time <u>1830</u>								
Relinquished by: (Signature) <u>Andrew Muro</u> Date <u>6-9-23</u> Time <u>0100</u>												Received by: (Signature) <u>Caith Muro</u> Date <u>6/9/23</u> Time <u>0100</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: 6/9/2023 9:01:50AM

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:	06/09/23 06:00	Work Order ID:	E306071
Phone:	(575) 631-6977	Date Logged In:	06/08/23 15:34	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/09/23 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: CourierComments/Resolution

Project Diamond PWU 22 1H has been separated into 5 reports due to high sample volume. Workorders are as follow: E306070, E306071, E306072, E306073 & E306074.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 3 of 10

Client: Pima Environmental Services Project: <u>Diamond PWD 22.1 H</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>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-781-3</u>		Lab Use Only Lab WO# <u>E306071</u> Job Number <u>0058-0007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM DOOC TX DOOC				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										
9:40	6/8	S	1	21 CS	1										
9:45				22 CS	2										
9:50				23 CS	3										
9:55				24 CS	4										
10:00				25 CS	5										
10:05				26 CS	6										
10:10				27 CS	7										
10:15				28 CS	8										
10:20				29 CS	9										
10:25				30 CS	10										
Additional Instructions: <u>B#21145598</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							
Varime Adams		6/8/23	200	Michelle Cuyler		6-8-23	1400	Received on ice: ☒ Y ☐ N							
Michelle Cuyler		6-8-23	1715	Andrew Messo		6-8-23	1830	T1 T2 T3							
Andrew Messo		6-9-23	0100	Caitlin Man		6/9/23	6:00	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 10

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Diamond PAV 224-H</u>					Attention: <u>Devon</u>		Lab WO# <u>E 306071</u>		Job Number <u>01058-0007</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>1-281-3</u>											
Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:30	6/8	S	1	31 ES	11							X		
10:35				32 CS	12									
10:40				33 CS	13									
10:45				34 CS	14									
10:50				35 CS	15									
10:55				36 CS	16									
11:00				37 CS	17									
11:05				38 CS	18									
11:10				39 CS	19									
11:15				40 CS	20									

Additional Instructions: BH 21145598

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) Kerrine Atame Date 6/8/23 Time 200

Relinquished by: (Signature) Michelle Gonzales Date 6-8-23 Time 1715

Relinquished by: (Signature) Andrew Musson Date 6-9-23 Time 0100

Received by: (Signature) Michelle Gonzales Date 6-8-23 Time 1400

Received by: (Signature) Andrew Musson Date 6-8-23 Time 1830

Received by: (Signature) Carith Naeen Date 6/9/23 Time 10:00

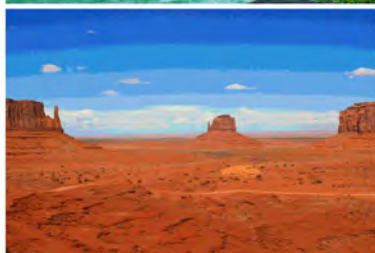
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

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: Diamond PWU 22 1H

Work Order: E306095

Job Number: 01058-0007

Received: 6/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/14/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/14/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Diamond PWU 22 1H
Workorder: E306095
Date Received: 6/13/2023 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/13/2023 7:30:00AM, under the Project Name: Diamond PWU 22 1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CS14	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/14/23 14:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS14	E306095-01A	Soil	06/08/23	06/13/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/14/2023 2:48:00PM

CS14

E306095-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324016	
Benzene	ND	0.0250	1	06/13/23	06/13/23	
Ethylbenzene	ND	0.0250	1	06/13/23	06/13/23	
Toluene	ND	0.0250	1	06/13/23	06/13/23	
o-Xylene	ND	0.0250	1	06/13/23	06/13/23	
p,m-Xylene	ND	0.0500	1	06/13/23	06/13/23	
Total Xylenes	ND	0.0250	1	06/13/23	06/13/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2324016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/23	06/13/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		06/13/23	06/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2324015	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/23	06/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/23	06/13/23	
<i>Surrogate: n-Nonane</i>						
	68.5 %	50-200		06/13/23	06/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2324017	
Chloride	ND	20.0	1	06/13/23	06/13/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/14/2023 2:48:00PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2324016-BLK1)

Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			

LCS (2324016-BS1)

Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.79	0.0250	5.00		95.8	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.6	70-130			
Toluene	4.89	0.0250	5.00		97.9	70-130			
o-Xylene	4.86	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130			
Total Xylenes	14.5	0.0250	15.0		96.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

Matrix Spike (2324016-MS1)

Source: E306095-01

Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.63	0.0250	5.00	ND	92.7	54-133			
Ethylbenzene	4.58	0.0250	5.00	ND	91.7	61-133			
Toluene	4.73	0.0250	5.00	ND	94.6	61-130			
o-Xylene	4.72	0.0250	5.00	ND	94.4	63-131			
p,m-Xylene	9.34	0.0500	10.0	ND	93.4	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

Matrix Spike Dup (2324016-MSD1)

Source: E306095-01

Prepared: 06/13/23 Analyzed: 06/13/23

Benzene	4.85	0.0250	5.00	ND	96.9	54-133	4.50	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	4.98	20	
Toluene	4.97	0.0250	5.00	ND	99.3	61-130	4.86	20	
o-Xylene	4.95	0.0250	5.00	ND	98.9	63-131	4.61	20	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	4.87	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.4	63-131	4.78	20	
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported: 6/14/2023 2:48:00PM
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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2324016-BLK1)

Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			

LCS (2324016-BS2)

Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0		97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

Matrix Spike (2324016-MS2)

Source: E306095-01

Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			

Matrix Spike Dup (2324016-MSD2)

Source: E306095-01

Prepared: 06/13/23 Analyzed: 06/13/23

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.4	70-130	4.07	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/14/2023 2:48:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2324015-BLK1)					Prepared: 06/13/23 Analyzed: 06/13/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	35.1		50.0		70.2	50-200			

LCS (2324015-BS1)					Prepared: 06/13/23 Analyzed: 06/13/23				
Diesel Range Organics (C10-C28)	239	25.0	250		95.5	38-132			
Surrogate: n-Nonane	35.0		50.0		70.0	50-200			

Matrix Spike (2324015-MS1)					Source: E306096-05		Prepared: 06/13/23 Analyzed: 06/13/23		
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132			
Surrogate: n-Nonane	35.4		50.0		70.7	50-200			

Matrix Spike Dup (2324015-MSD1)					Source: E306096-05		Prepared: 06/13/23 Analyzed: 06/13/23		
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	38-132	2.41	20	
Surrogate: n-Nonane	34.3		50.0		68.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/14/2023 2:48:00PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2324017-BLK1)					Prepared: 06/13/23 Analyzed: 06/13/23				
Chloride	ND	20.0							
LCS (2324017-BS1)					Prepared: 06/13/23 Analyzed: 06/13/23				
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2324017-MS1)					Source: E306095-01		Prepared: 06/13/23 Analyzed: 06/13/23		
Chloride	248	20.0	250	ND	99.3	80-120			
Matrix Spike Dup (2324017-MSD1)					Source: E306095-01		Prepared: 06/13/23 Analyzed: 06/13/23		
Chloride	250	20.0	250	ND	99.9	80-120	0.587	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:	Diamond PWU 22 1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/14/23 14:48

- 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.



Envirotech Analytical Laboratory

Printed: 6/13/2023 9:18:57AM

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:	06/13/23 07:30	Work Order ID:	E306095
Phone:	(575) 631-6977	Date Logged In:	06/12/23 16:41	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/13/23 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: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

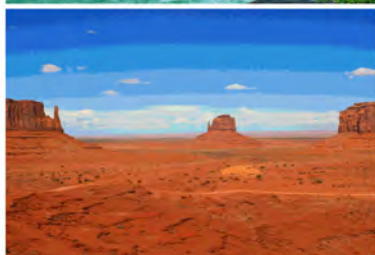
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



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: Diamond PWU 22 #1H

Work Order: E410009

Job Number: 01058-0007

Received: 10/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/3/24

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

Date Reported: 10/3/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Diamond PWU 22 #1H
Workorder: E410009
Date Received: 10/3/2024 5:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2024 5:00:00AM, under the Project Name: Diamond PWU 22 #1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 #1H 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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS1-1'	6
CW1-1'	7
CS2-6'	8
CW2-6'	9
CW3-6'	10
CS3-6'	11
CW4-6'	12
CW5-6'	13
CS4-10'	14
CW6-10'	15
CW7-10'	16
CW8-10'	17
CS5-9'	18
CW9-9'	19
CW10-9'	20
CW11-9'	21
CS6-1'	22
CS12-1'	23
CS7-2'	24
CW13-2'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/03/24 15:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-1'	E410009-01A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW1-1'	E410009-02A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CS2-6'	E410009-03A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW2-6'	E410009-04A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW3-6'	E410009-05A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CS3-6'	E410009-06A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW4-6'	E410009-07A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW5-6'	E410009-08A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CS4-10'	E410009-09A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW6-10'	E410009-10A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW7-10'	E410009-11A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW8-10'	E410009-12A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CS5-9'	E410009-13A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW9-9'	E410009-14A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW10-9'	E410009-15A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW11-9'	E410009-16A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CS6-1'	E410009-17A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CS12-1'	E410009-18A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CS7-2'	E410009-19A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.
CW13-2'	E410009-20A	Soil	10/01/24	10/03/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CS1-1' E410009-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	10/02/24	10/03/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	10/02/24	10/03/24	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	10/02/24	10/03/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	10/02/24	10/03/24	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	27.6	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW1-1'

E410009-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	103 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	103 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	119 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CS2-6'

E410009-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	103 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	103 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	105 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW2-6'

E410009-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	105 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW3-6'

E410009-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	102 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	102 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	103 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CS3-6'

E410009-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	110 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW4-6'

E410009-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	98.7 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	98.7 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	61.0	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	106 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW5-6'

E410009-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	110 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CS4-10'

E410009-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	102 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	102 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	117 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW6-10'

E410009-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	27.8	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	124 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW7-10'

E410009-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	96.3 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	96.3 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	112 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW8-10'

E410009-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	96.1 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	96.1 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	27.7	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	111 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CS5-9'

E410009-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	95.9 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	95.9 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	27.6	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	116 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	456	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW9-9'

E410009-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	94.9 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	94.9 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	114 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	626	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW10-9'

E410009-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	96.2 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	96.2 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	98.4 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	635	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW11-9'

E410009-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	95.7 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	95.7 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	59.5	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	99.9 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	250	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CS6-1'

E410009-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	93.5 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	93.5 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	101 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CS12-1'

E410009-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	95.7 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	95.7 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	25.2	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	99.4 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	ND	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CS7-2'

E410009-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	94.3 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	94.3 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	105 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	362	20.0	1	10/03/24	10/03/24	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/3/2024 3:42:08PM

CW13-2'

E410009-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Benzene	ND	0.0250	1	10/02/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/03/24	
Toluene	ND	0.0250	1	10/02/24	10/03/24	
o-Xylene	ND	0.0250	1	10/02/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	102 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440077
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/03/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/02/24	10/03/24	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		10/02/24	10/03/24	
Surrogate: Toluene-d8	102 %	70-130		10/02/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	98.8 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440081
Chloride	465	20.0	1	10/03/24	10/03/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/3/2024 3:42:08PM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2440077-BLK1)

Prepared: 10/02/24 Analyzed: 10/02/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2440077-BS1)

Prepared: 10/02/24 Analyzed: 10/02/24

Benzene	2.28	0.0250	2.50		91.4	70-130			
Ethylbenzene	2.38	0.0250	2.50		95.1	70-130			
Toluene	2.32	0.0250	2.50		92.7	70-130			
o-Xylene	2.49	0.0250	2.50		99.5	70-130			
p,m-Xylene	4.98	0.0500	5.00		99.6	70-130			
Total Xylenes	7.47	0.0250	7.50		99.6	70-130			
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

LCS Dup (2440077-BSD1)

Prepared: 10/02/24 Analyzed: 10/02/24

Benzene	2.31	0.0250	2.50		92.5	70-130	1.22	23	
Ethylbenzene	2.49	0.0250	2.50		99.4	70-130	4.44	27	
Toluene	2.40	0.0250	2.50		96.1	70-130	3.60	24	
o-Xylene	2.61	0.0250	2.50		104	70-130	4.65	27	
p,m-Xylene	5.18	0.0500	5.00		104	70-130	3.94	27	
Total Xylenes	7.79	0.0250	7.50		104	70-130	4.17	27	
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported: 10/3/2024 3:42:08PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2440077-BLK1)

Prepared: 10/02/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2440077-BS2)

Prepared: 10/02/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

LCS Dup (2440077-BSD2)

Prepared: 10/02/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130	2.07	20	
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/3/2024 3:42:08PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2440064-BLK1) Prepared: 10/02/24 Analyzed: 10/03/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.3	50-200			

LCS (2440064-BS1) Prepared: 10/02/24 Analyzed: 10/03/24

Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132			
Surrogate: n-Nonane	49.0		50.0		98.0	50-200			

Matrix Spike (2440064-MS1) Source: E410009-05 Prepared: 10/02/24 Analyzed: 10/03/24

Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	49.0		50.0		98.1	50-200			

Matrix Spike Dup (2440064-MSD1) Source: E410009-05 Prepared: 10/02/24 Analyzed: 10/03/24

Diesel Range Organics (C10-C28)	305	25.0	250	ND	122	38-132	13.0	20	
Surrogate: n-Nonane	51.8		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/3/2024 3:42:08PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2440081-BLK1)					Prepared: 10/03/24 Analyzed: 10/03/24				
Chloride	ND	20.0							
LCS (2440081-BS1)					Prepared: 10/03/24 Analyzed: 10/03/24				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2440081-MS1)					Source: E410009-04		Prepared: 10/03/24 Analyzed: 10/03/24		
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2440081-MSD1)					Source: E410009-04		Prepared: 10/03/24 Analyzed: 10/03/24		
Chloride	256	20.0	250	ND	103	80-120	0.303	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:	Diamond PWU 22 #1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/03/24 15:42

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Pima Environmental Services Project: Diamond PWU 22 #1H Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 806-782-1151 Email: tom@pimaoil.com Report due by:	Bill To Attention: Devon Energy Address: City, State, Zip Phone: Email: Work Order/Billing #: 21145598	Lab Use Only				TAT				EPA Program		
		Lab WO# E410009		Job Number 01058-0007		1D	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					State
								BGDOC NM	BGDOC TX			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
1:03	10/1/24	S	1	CS1-1'	1							X		
9:17				CW1-1'	2									
9:21				CS2-6'	3									
9:36				CW2-6'	4									
9:45				CW3-6'	5									
9:56				CS3-6'	6									
10:11				CW4-6'	7									
10:24				CW5-6'	8									
10:36				CS4-10'	9									
10:56				CW6-10'	10									

Additional Instructions: Pima Project #s 1-281-2/1-281-3 -- nAB1721657722 & nAB1914250102

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	
Karime Asane	10.2.24	11:30	[Signature]	10.2.24	11:30	Received on ice: Y / N	
[Signature]	10.2.24	15:15	[Signature]	10.2.24	17:07	T1 T2 T3	
[Signature]	10.2.24	20:45	Thuyhiep R. Hoell	10.3.24	0800	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.							

Page 536 of 632
Received by QCP: 2/17/2025 12:44:25 PM

Client: Pima Environmental Services
Project: Diamond PWU 22 #1H
Project Manager: Tom Bynum
Address: 5614 N. Lovington Hwy.
City, State, Zip Hobbs, NM, 88240
Phone: 806-782-1151
Email: tom@pimaoil.com
Report due by:

Bill To
Attention: Devon Energy
Address:
City, State, Zip
Phone:
Email:
Work Order/Billing #: 21145598

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
E410009	01058-0007	X							
Analysis and Method							RCRA		

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
11:00	10/1/24	S	1	CW7-10'	11							X		
11:17				CW8-10'	12									
11:28				CS5-9'	13									
11:36				CW9-9'	14									
11:42				CW10-9'	15									
11:51				CW11-9'	16									
11:58				CS6-1'	17									
12:09				CW12-1'	18									
12:20				CS7-2'	19									
12:21				CW13-2'	20									

Additional Instructions: Pima Project #s 1-281-2/1-281-3 -- nAB1721657722 & nAB1914250102

(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
Karime Arzame	10-2-24	11:30	[Signature]	10-2-24	11:30
[Signature]	10-2-24	15:15	[Signature]	10-2-24	17:00
[Signature]	10-2-24	20:45	Myah R Heel	10-3-24	05:00

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.

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

Released to Imaging: 2/19/2025 11:41:55 AM

Envirotech Analytical Laboratory

Printed: 10/3/2024 8:29:51AM

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:	10/03/24 05:00	Work Order ID:	E410009
Phone:	(575) 631-6977	Date Logged In:	10/02/24 14:06	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/03/24 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: CourierComments/Resolution

Sampled by not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

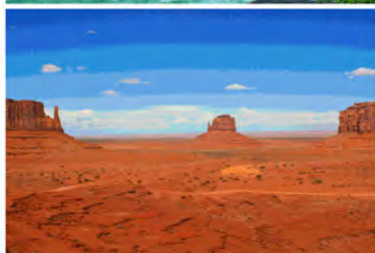
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 #1H

Work Order: E410089

Job Number: 01058-0007

Received: 10/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/10/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/10/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Diamond PWU 22 #1H
Workorder: E410089
Date Received: 10/10/2024 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/10/2024 8:00:00AM, under the Project Name: Diamond PWU 22 #1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 #1H 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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CW9-9'	5
CS10-9'	6
CW11-9'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported: 10/10/24 13:21
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
CW9-9'	E410089-01A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
CS10-9'	E410089-02A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.
CW11-9'	E410089-03A	Soil	10/08/24	10/10/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
10/10/2024 1:21:22PM

CW9-9'

E410089-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2441051	
Benzene	ND	0.0250	1	10/10/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/10/24	
Toluene	ND	0.0250	1	10/10/24	10/10/24	
o-Xylene	ND	0.0250	1	10/10/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/10/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2441051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	10/10/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2441067	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/24	10/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/24	10/10/24	
<i>Surrogate: n-Nonane</i>		82.5 %	50-200	10/10/24	10/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2441070	
Chloride	ND	20.0	1	10/10/24	10/10/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported: 10/10/2024 1:21:22PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

CS10-9'

E410089-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2441051	
Benzene	ND	0.0250	1	10/10/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/10/24	
Toluene	ND	0.0250	1	10/10/24	10/10/24	
o-Xylene	ND	0.0250	1	10/10/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/10/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2441051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		10/10/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2441067	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/24	10/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/24	10/10/24	
Surrogate: n-Nonane	75.1 %	50-200		10/10/24	10/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2441070	
Chloride	ND	20.0	1	10/10/24	10/10/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Diamond PWU 22 #1H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 10/10/2024 1:21:22PM
---	--	-----------------------------------

CW11-9'

E410089-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2441051	
Benzene	ND	0.0250	1	10/10/24	10/10/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/10/24	
Toluene	ND	0.0250	1	10/10/24	10/10/24	
o-Xylene	ND	0.0250	1	10/10/24	10/10/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/10/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/10/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/10/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2441051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.6 %	70-130		10/10/24	10/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2441067	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/10/24	10/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/10/24	10/10/24	
Surrogate: n-Nonane	61.4 %	50-200		10/10/24	10/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2441070	
Chloride	ND	20.0	1	10/10/24	10/10/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2024 1:21:22PM

Volatile Organics by EPA 8021B

Analyst: CG

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

Blank (2441051-BLK1) Prepared: 10/09/24 Analyzed: 10/09/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			

LCS (2441051-BS1) Prepared: 10/09/24 Analyzed: 10/09/24

Benzene	4.10	0.0250	5.00		81.9	70-130			
Ethylbenzene	4.44	0.0250	5.00		88.9	70-130			
Toluene	4.38	0.0250	5.00		87.7	70-130			
o-Xylene	4.46	0.0250	5.00		89.3	70-130			
p,m-Xylene	9.06	0.0500	10.0		90.6	70-130			
Total Xylenes	13.5	0.0250	15.0		90.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

Matrix Spike (2441051-MS1) Source: E410084-01 Prepared: 10/09/24 Analyzed: 10/09/24

Benzene	4.85	0.0250	5.00	ND	97.0	54-133			
Ethylbenzene	5.27	0.0250	5.00	ND	105	61-133			
Toluene	5.21	0.0250	5.00	ND	104	61-130			
o-Xylene	5.32	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			

Matrix Spike Dup (2441051-MSD1) Source: E410084-01 Prepared: 10/09/24 Analyzed: 10/10/24

Benzene	5.32	0.0250	5.00	ND	106	54-133	9.30	20	
Ethylbenzene	5.18	0.0250	5.00	ND	104	61-133	1.70	20	
Toluene	5.27	0.0250	5.00	ND	105	61-130	1.14	20	
o-Xylene	5.19	0.0250	5.00	ND	104	63-131	2.60	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	1.63	20	
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131	1.95	20	
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2024 1:21:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

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

Blank (2441051-BLK1) Prepared: 10/09/24 Analyzed: 10/09/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

LCS (2441051-BS2) Prepared: 10/09/24 Analyzed: 10/09/24

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.7	70-130			

Matrix Spike (2441051-MS2) Source: E410084-01 Prepared: 10/09/24 Analyzed: 10/09/24

Gasoline Range Organics (C6-C10)	38.1	20.0	50.0	ND	76.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

Matrix Spike Dup (2441051-MSD2) Source: E410084-01 Prepared: 10/09/24 Analyzed: 10/09/24

Gasoline Range Organics (C6-C10)	37.6	20.0	50.0	ND	75.1	70-130	1.37	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2024 1:21:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2441067-BLK1)

Prepared: 10/10/24 Analyzed: 10/10/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.9		50.0		89.8	50-200			

LCS (2441067-BS1)

Prepared: 10/10/24 Analyzed: 10/10/24

Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			

Matrix Spike (2441067-MS1)

Source: E410089-02 Prepared: 10/10/24 Analyzed: 10/10/24

Diesel Range Organics (C10-C28)	183	25.0	250	ND	73.2	38-132			
Surrogate: n-Nonane	38.2		50.0		76.4	50-200			

Matrix Spike Dup (2441067-MSD1)

Source: E410089-02 Prepared: 10/10/24 Analyzed: 10/10/24

Diesel Range Organics (C10-C28)	198	25.0	250	ND	79.0	38-132	7.70	20	
Surrogate: n-Nonane	42.8		50.0		85.7	50-200			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/2024 1:21:22PM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2441070-BLK1)					Prepared: 10/10/24 Analyzed: 10/10/24				
Chloride	ND	20.0							
LCS (2441070-BS1)					Prepared: 10/10/24 Analyzed: 10/10/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2441070-MS1)					Source: E410062-03		Prepared: 10/10/24 Analyzed: 10/10/24		
Chloride	812	20.0	250	520	117	80-120			
Matrix Spike Dup (2441070-MSD1)					Source: E410062-03		Prepared: 10/10/24 Analyzed: 10/10/24		
Chloride	803	20.0	250	520	113	80-120	1.05	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:	Diamond PWU 22 #1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/10/24 13:21

- ND

Analyte NOT DETECTED at or above the reporting limit
- NR

Not Reported
- RPD

Relative Percent Difference
- DNI

Did Not Ignite
- DNR

Did not react with the addition of acid or base.
- Note (1):

Methods marked with ** are non-accredited methods.
- Note (2):

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: Pima Environmental Services						Bill To							Lab Use Only								TAT				EPA Program			
Project: Diamond PWU 22 #1H						Attention: Devon Energy							Lab WO# E410089				Job Number 01058-0007				1D	2D	3D	Standard		CWA	SDWA	
Project Manager: Tom Bynum						Address:															X							
Address: 5614 N. Lovington Hwy.						City, State, Zip																					RCRA	
City, State, Zip Hobbs, NM. 88240						Phone:																						
Phone: 806-782-1151						Email:																						
Email: tom@pimaoil.com						Work Order/Billing #: 21145598																						
Report due by:																												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					BGDOC NM	BGDOC TX							State				
																								NM	CO	UT	AZ	TX
																								X				
Remarks																												
6:30 ^{AM}	10/8/24	S	1	CW9-9'	1												X											
6:43				CW10-9'	2																							
6:59				CW11-9'	3																							
Additional Instructions: Pima Project #s 1-281-2/1-281-3 -- nAB1721657722 & nAB1914250102																												
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) Karime Adams														Received by: (Signature) Michelle Gonzales														
Date 10/8/24														Date 10-9-24														
Time 2:21														Time 1421														
Relinquished by: (Signature) Michelle Gonzales														Received by: (Signature) [Signature]														
Date 10-9-24														Date 10-9-24														
Time 1630														Time 1630														
Relinquished by: (Signature) [Signature]														Received by: (Signature) Carth Man														
Date 10-9-24														Date 10-10-24														
Time 2215														Time 8:00														
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: 10/10/2024 8:24:09AM

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:	10/10/24 08:00	Work Order ID:	E410089
Phone:	(575) 631-6977	Date Logged In:	10/09/24 14:56	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/10/24 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: CourierComments/Resolution

Sampled by not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 #1H

Work Order: E501237

Job Number: 01058-0007

Received: 1/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/6/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/6/25



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Diamond PWU 22 #1H
Workorder: E501237
Date Received: 1/31/2025 5:30:49AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/31/2025 5:30:49AM, under the Project Name: Diamond PWU 22 #1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 #1H 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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported: 02/06/25 15:03
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
1-Surface	E501237-01A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
1-2'	E501237-02A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
1-4'	E501237-03A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
1-6'	E501237-04A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
1-8'	E501237-05A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
1-10'	E501237-06A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
2-Surface	E501237-07A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
2-2'	E501237-08A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
2-4'	E501237-09A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
2-6'	E501237-10A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
2-8'	E501237-11A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
2-10'	E501237-12A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
3-Surface	E501237-13A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
3-2'	E501237-14A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
3-4'	E501237-15A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
3-6'	E501237-16A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
3-8'	E501237-17A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
3-10'	E501237-18A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
4-Surface	E501237-19A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
4-2'	E501237-20A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

1-Surface

E501237-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.1 %	70-130	01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.8 %	70-130	01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505146	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>		124 %	61-141	01/31/25	02/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2505155	
Chloride	30.8	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

1-2'

E501237-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.3 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	119 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	436	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

1-4'

E501237-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	120 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	201	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

1-6'

E501237-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.5 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	120 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

1-8'

E501237-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.2 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505146	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	120 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2505155	
Chloride	304	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

1-10'

E501237-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.9 %	70-130	01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.1 %	70-130	01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
		117 %	61-141	01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	120	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

2-Surface

E501237-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.3 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	130 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	46.9	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

2-2'

E501237-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.7 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	120 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	248	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

2-4'

E501237-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.4 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	117 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	208	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

2-6'

E501237-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.4 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	123 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

2-8'

E501237-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.7 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505146	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	127 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2505155	
Chloride	304	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

2-10'

E501237-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.5 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	117 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	32.6	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

3-Surface

E501237-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.2 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.1 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505146	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/05/25	
<i>Surrogate: n-Nonane</i>	116 %	61-141		01/31/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2505155	
Chloride	61.6	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

3-2'

E501237-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.0 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/05/25	
<i>Surrogate: n-Nonane</i>						
	116 %	61-141		01/31/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	146	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

3-4'

E501237-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.2 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/05/25	
<i>Surrogate: n-Nonane</i>						
	119 %	61-141		01/31/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	211	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

3-6'

E501237-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/05/25	
<i>Surrogate: n-Nonane</i>						
	131 %	61-141		01/31/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

3-8'

E501237-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.2 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/05/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		01/31/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

3-10'

E501237-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.4 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.2 %	70-130		01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/05/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		01/31/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

4-Surface

E501237-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.5 %	70-130	01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %	70-130	01/31/25	02/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505146	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/05/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	01/31/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2505155	
Chloride	475	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:03:00PM

4-2'

E501237-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505138
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.0 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505146
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/05/25	
<i>Surrogate: n-Nonane</i>						
	121 %	61-141		01/31/25	02/05/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505155
Chloride	395	20.0	1	01/31/25	02/01/25	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:03:00PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2505138-BLK1)

Prepared: 01/31/25 Analyzed: 01/31/25

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	6.95		8.00		86.8	70-130			

LCS (2505138-BS1)

Prepared: 01/31/25 Analyzed: 01/31/25

Benzene	4.91	0.0250	5.00		98.1	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.3	70-130			
Toluene	4.82	0.0250	5.00		96.4	70-130			
o-Xylene	4.69	0.0250	5.00		93.9	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.9	70-130			

Matrix Spike (2505138-MS1)

Source: E501237-03

Prepared: 01/31/25 Analyzed: 01/31/25

Benzene	5.19	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.4	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			

Matrix Spike Dup (2505138-MSD1)

Source: E501237-03

Prepared: 01/31/25 Analyzed: 01/31/25

Benzene	5.11	0.0250	5.00	ND	102	54-133	1.65	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133	1.79	20	
Toluene	5.02	0.0250	5.00	ND	100	61-130	1.79	20	
o-Xylene	4.88	0.0250	5.00	ND	97.7	63-131	1.69	20	
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	63-131	1.69	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.1	63-131	1.69	20	
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:03:00PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2505138-BLK1) Prepared: 01/31/25 Analyzed: 01/31/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.4	70-130			

LCS (2505138-BS2) Prepared: 01/31/25 Analyzed: 01/31/25

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			

Matrix Spike (2505138-MS2) Source: E501237-03 Prepared: 01/31/25 Analyzed: 01/31/25

Gasoline Range Organics (C6-C10)	38.5	20.0	50.0	ND	76.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			

Matrix Spike Dup (2505138-MSD2) Source: E501237-03 Prepared: 01/31/25 Analyzed: 01/31/25

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130	10.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:03:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2505146-BLK1)

Prepared: 01/31/25 Analyzed: 02/04/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	61-141			

LCS (2505146-BS1)

Prepared: 01/31/25 Analyzed: 02/04/25

Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: n-Nonane	57.3		50.0		115	61-141			

Matrix Spike (2505146-MS1)

Source: E501237-14

Prepared: 01/31/25 Analyzed: 02/04/25

Diesel Range Organics (C10-C28)	294	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	61.1		50.0		122	61-141			

Matrix Spike Dup (2505146-MSD1)

Source: E501237-14

Prepared: 01/31/25 Analyzed: 02/04/25

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156	3.71	20	
Surrogate: n-Nonane	59.8		50.0		120	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:03:00PM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2505155-BLK1)

Prepared: 01/31/25 Analyzed: 02/01/25

Chloride ND 20.0

LCS (2505155-BS1)

Prepared: 01/31/25 Analyzed: 02/01/25

Chloride 252 20.0 250 101 90-110

Matrix Spike (2505155-MS1)

Source: E501237-07

Prepared: 01/31/25 Analyzed: 02/01/25

Chloride 304 20.0 250 46.9 103 80-120

Matrix Spike Dup (2505155-MSD1)

Source: E501237-07

Prepared: 01/31/25 Analyzed: 02/01/25

Chloride 299 20.0 250 46.9 101 80-120 1.67 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:	Diamond PWU 22 #1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/06/25 15:03

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Page 1 of 5

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Pima Environmental Services, LLC				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Diamond PWU 22 #1H				Address:		E501237	01058-0007				X	X							
Project Manager: Tom Bynum				City, State, Zip:															
Address: 5614 N Lovington Hwy				Phone:															
City, State, Zip: Hobbs, NM 88240				Email:															
Phone: (580)748-1613				Miscellaneous: Project No. #1-281-2															
Email: Tom@pimaoil.com																			
Sample Information										Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	SRO/SRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
8:00	1/29/2025	S		1-Surface		1						X							
8:07				1-2'		2													
8:10				1-4'		3													
8:13				1-6'		4													
8:17				1-8'		5													
8:20				1-10'		6													
8:25				2-Surface		7													
8:28				2-2'		8													
8:30				2-4'		9													
8:33				2-6'		10													
Additional Instructions: W/O #21145598																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Andrew Franco																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	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 oC on subsequent days. Received on ice: ☒ Y / ☐ N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>													
Andrew Franco	1/29/25	5:00	Karime Adame	1/30/25	8:40														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Karime Adame	1/30/25	1:32	Michelle Gonzales	1-30-25	1:35														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA													
Michelle Gonzales	1-30-25	1630	Andrew H.	1.30.25	1630														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Note: Samples are discarded 14 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.													
Andrew H.	1.30.25	2330	Michelle H. Helle	1-31-25	0530														

Chain of Custody

Page 2 of 5

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Pima Environmental Services, LLC				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Diamond PWU 22 #1H				Address:		E 501237	01058-007				X	X							
Project Manager: Tom Bynum				City, State, Zip:															
Address: 5614 N Lovington Hwy				Phone:															
City, State, Zip: Hobbs, NM 88240				Email:															
Phone: (580)748-1613				Miscellaneous: Project No. #1-281-2															
Email: Tom@pimaoil.com																			
Sample Information							Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TECQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA	
8:38	1/29/2025	S		2-8'		11						X							
8:43				2-10'		12													
8:48				3-Surface		13													
8:52				3-2'		14													
8:59				3-4'		15													
9:02				3-6'		16													
9:08				3-8'		17													
9:11				3-10'		18													
9:15				4-Surface		19													
9:18				3-4' 4-2'		20													
Additional Instructions: W/O #21145598																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Andrew Franco																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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 oC on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>											
Andrew Franco		1/29/25	5:00	Karime Adame		1/30/25	8:40												
Karime Adame		1/30/25	1:32	Michelle Gonzales		1-30-25	1850												
Michelle Gonzales		1-30-25	1630	Jaden H.		1-30-25	1630												
Jaden H.		1-30-25	2330	Michelle H. Heer		1-31-25	0530												
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 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 1/31/2025 9:46:01AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	01/31/25 05:30	Work Order ID:	E501237
Phone:	(575) 631-6977	Date Logged In:	01/30/25 16:23	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	02/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Diamond PWU 22 #1H has been separated into 2 reports due to sample volume. WO are E501237 & E501238. No of containers 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.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Diamond PWU 22 #1H

Work Order: E501238

Job Number: 01058-0007

Received: 1/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/6/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/6/25



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Diamond PWU 22 #1H
Workorder: E501238
Date Received: 1/31/2025 5:30:49AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/31/2025 5:30:49AM, under the Project Name: Diamond PWU 22 #1H.

The analytical test results summarized in this report with the Project Name: Diamond PWU 22 #1H 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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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

Table of Contents (continued)

7-8'	26
7-10'	27
QC Summary Data	28
QC - Volatile Organics by EPA 8021B	28
QC - Nonhalogenated Organics by EPA 8015D - GRO	30
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	32
QC - Anions by EPA 300.0/9056A	34
Definitions and Notes	36
Chain of Custody etc.	37

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported: 02/06/25 15:18
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
4-4'	E501238-01A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
4-6'	E501238-02A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
4-8'	E501238-03A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
4-10'	E501238-04A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
5-Surface	E501238-05A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
5-2'	E501238-06A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
5-4'	E501238-07A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
5-6'	E501238-08A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
5-8'	E501238-09A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
5-10'	E501238-10A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
6-Surface	E501238-11A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
6-2'	E501238-12A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
6-4'	E501238-13A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
6-6'	E501238-14A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
6-8'	E501238-15A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
6-10'	E501238-16A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
7-Surface	E501238-17A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
7-2'	E501238-18A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
7-4'	E501238-19A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
7-6'	E501238-20A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
7-8'	E501238-21A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
7-10'	E501238-22A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

4-4'

E501238-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.6 %	70-130	01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.5 %	70-130	01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505151	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>		99.5 %	61-141	01/31/25	02/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2505157	
Chloride	258	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

4-6'

E501238-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.7 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.9 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

4-8'

E501238-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.1 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.2 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

4-10'

E501238-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.2 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.8 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

5-Surface

E501238-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.6 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.0 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505151	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>	107 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2505157	
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

5-2'

E501238-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.3 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505151	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505157	
Chloride	436	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

5-4'

E501238-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.7 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	323	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

5-6'

E501238-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.3 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

5-8'

E501238-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

5-10'

E501238-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.4 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505151	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505157	
Chloride	ND	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

6-Surface

E501238-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	87.3 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.8 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505151	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/03/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		01/31/25	02/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2505157	
Chloride	400	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

6-2'

E501238-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.8 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.1 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	504	20.0	1	01/31/25	01/31/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

6-4'

E501238-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.4 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	243	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

6-6'

E501238-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.5 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

6-8'

E501238-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.0 %	70-130	01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505151	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	01/31/25	02/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2505157	
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

6-10'

E501238-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.3 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505151	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505157	
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

7-Surface

E501238-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.7 %	70-130	01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2505151	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	01/31/25	02/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2505157	
Chloride	457	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

7-2'

E501238-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.8 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	482	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

7-4'

E501238-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2505147
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505151
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	120 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2505157
Chloride	252	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

7-6'

E501238-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Benzene	ND	0.0250	1	01/31/25	02/04/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/04/25	
Toluene	ND	0.0250	1	01/31/25	02/04/25	
o-Xylene	ND	0.0250	1	01/31/25	02/04/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/04/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2505147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.9 %	70-130		01/31/25	02/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505151	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/04/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		01/31/25	02/04/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2505157	
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

7-8'

E501238-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.1 %	70-130		01/31/25	02/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		01/31/25	02/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505160
Chloride	ND	20.0	1	01/31/25	02/01/25	



Sample Data

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

Project Name: Diamond PWU 22 #1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
2/6/2025 3:18:05PM

7-10'

E501238-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Benzene	ND	0.0250	1	01/31/25	02/02/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/02/25	
Toluene	ND	0.0250	1	01/31/25	02/02/25	
o-Xylene	ND	0.0250	1	01/31/25	02/02/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/02/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.8 %	70-130		01/31/25	02/02/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505144
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		01/31/25	02/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505140
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505160
Chloride	ND	20.0	1	01/31/25	02/01/25	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:18:05PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2505144-BLK1)

Prepared: 01/31/25 Analyzed: 02/02/25

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	6.60		8.00		82.5	70-130			

LCS (2505144-BS1)

Prepared: 01/31/25 Analyzed: 02/02/25

Benzene	4.24	0.0250	5.00		84.8	70-130			
Ethylbenzene	4.18	0.0250	5.00		83.5	70-130			
Toluene	4.26	0.0250	5.00		85.3	70-130			
o-Xylene	4.20	0.0250	5.00		84.0	70-130			
p,m-Xylene	8.52	0.0500	10.0		85.2	70-130			
Total Xylenes	12.7	0.0250	15.0		84.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.90		8.00		86.3	70-130			

Matrix Spike (2505144-MS1)

Source: E501240-07

Prepared: 01/31/25 Analyzed: 02/02/25

Benzene	4.27	0.0250	5.00	ND	85.5	54-133			
Ethylbenzene	4.19	0.0250	5.00	ND	83.9	61-133			
Toluene	4.28	0.0250	5.00	ND	85.6	61-130			
o-Xylene	4.23	0.0250	5.00	ND	84.5	63-131			
p,m-Xylene	8.56	0.0500	10.0	ND	85.6	63-131			
Total Xylenes	12.8	0.0250	15.0	ND	85.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.92		8.00		86.5	70-130			

Matrix Spike Dup (2505144-MSD1)

Source: E501240-07

Prepared: 01/31/25 Analyzed: 02/02/25

Benzene	4.52	0.0250	5.00	ND	90.4	54-133	5.58	20	
Ethylbenzene	4.46	0.0250	5.00	ND	89.2	61-133	6.13	20	
Toluene	4.53	0.0250	5.00	ND	90.6	61-130	5.71	20	
o-Xylene	4.45	0.0250	5.00	ND	89.0	63-131	5.21	20	
p,m-Xylene	9.08	0.0500	10.0	ND	90.8	63-131	5.84	20	
Total Xylenes	13.5	0.0250	15.0	ND	90.2	63-131	5.63	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:18:05PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2505147-BLK1)

Prepared: 01/31/25 Analyzed: 02/04/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

LCS (2505147-BS1)

Prepared: 01/31/25 Analyzed: 02/04/25

Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.37	0.0250	5.00		107	70-130			
Toluene	5.43	0.0250	5.00		109	70-130			
o-Xylene	5.37	0.0250	5.00		107	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.3	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.7	70-130			

Matrix Spike (2505147-MS1)

Source: E501238-08

Prepared: 01/31/25 Analyzed: 02/04/25

Benzene	4.40	0.0250	5.00	ND	88.0	54-133			
Ethylbenzene	4.43	0.0250	5.00	ND	88.5	61-133			
Toluene	4.47	0.0250	5.00	ND	89.4	61-130			
o-Xylene	4.42	0.0250	5.00	ND	88.4	63-131			
p,m-Xylene	9.01	0.0500	10.0	ND	90.1	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.3	70-130			

Matrix Spike Dup (2505147-MSD1)

Source: E501238-08

Prepared: 01/31/25 Analyzed: 02/04/25

Benzene	5.04	0.0250	5.00	ND	101	54-133	13.5	20	
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133	12.9	20	
Toluene	5.10	0.0250	5.00	ND	102	61-130	13.1	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	13.1	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	12.7	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	12.8	20	
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:18:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2505144-BLK1) Prepared: 01/31/25 Analyzed: 02/02/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			

LCS (2505144-BS2) Prepared: 01/31/25 Analyzed: 02/02/25

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130			

Matrix Spike (2505144-MS2) Source: E501240-07 Prepared: 01/31/25 Analyzed: 02/02/25

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

Matrix Spike Dup (2505144-MSD2) Source: E501240-07 Prepared: 01/31/25 Analyzed: 02/02/25

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.0	70-130	0.736	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:18:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2505147-BLK1) Prepared: 01/31/25 Analyzed: 02/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.2	70-130			

LCS (2505147-BS2) Prepared: 01/31/25 Analyzed: 02/04/25

Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		8.00		87.4	70-130			

Matrix Spike (2505147-MS2) Source: E501238-08 Prepared: 01/31/25 Analyzed: 02/04/25

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.8	70-130			

Matrix Spike Dup (2505147-MSD2) Source: E501238-08 Prepared: 01/31/25 Analyzed: 02/04/25

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130	2.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		8.00		88.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:18:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2505140-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.7	61-141			

LCS (2505140-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Diesel Range Organics (C10-C28)	222	25.0	250		88.9	66-144			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike (2505140-MS1)					Source: E501235-13		Prepared: 01/31/25 Analyzed: 01/31/25		
Diesel Range Organics (C10-C28)	225	25.0	250	ND	90.2	56-156			
Surrogate: n-Nonane	51.4		50.0		103	61-141			

Matrix Spike Dup (2505140-MSD1)					Source: E501235-13		Prepared: 01/31/25 Analyzed: 01/31/25		
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.6	56-156	0.588	20	
Surrogate: n-Nonane	50.8		50.0		102	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:18:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2505151-BLK1)					Prepared: 01/31/25 Analyzed: 02/03/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.1		50.0		100	61-141			

LCS (2505151-BS1)					Prepared: 01/31/25 Analyzed: 02/03/25				
Diesel Range Organics (C10-C28)	234	25.0	250		93.4	66-144			
Surrogate: n-Nonane	50.9		50.0		102	61-141			

Matrix Spike (2505151-MS1)					Source: E501238-05		Prepared: 01/31/25 Analyzed: 02/03/25		
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	56-156			
Surrogate: n-Nonane	50.9		50.0		102	61-141			

Matrix Spike Dup (2505151-MSD1)					Source: E501238-05		Prepared: 01/31/25 Analyzed: 02/03/25		
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.4	56-156	0.977	20	
Surrogate: n-Nonane	49.9		50.0		99.8	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:18:05PM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2505157-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	ND	20.0							
LCS (2505157-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2505157-MS1)					Source: E501238-08		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	268	20.0	250	ND	107	80-120			
Matrix Spike Dup (2505157-MSD1)					Source: E501238-08		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	269	20.0	250	ND	108	80-120	0.406	20	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Diamond PWU 22 #1H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/6/2025 3:18:05PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2505160-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	ND	20.0							
LCS (2505160-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2505160-MS1)					Source: E501238-22		Prepared: 01/31/25 Analyzed: 02/01/25		
Chloride	270	20.0	250	ND	108	80-120			
Matrix Spike Dup (2505160-MSD1)					Source: E501238-22		Prepared: 01/31/25 Analyzed: 02/01/25		
Chloride	270	20.0	250	ND	108	80-120	0.104	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:	Diamond PWU 22 #1H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/06/25 15:18

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

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

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



Chain of Custody

Page 3 of 5

Client Information				Invoice Information				Lab Use Only				TAT				State									
Client: Pima Environmental Services, LLC				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX						
Project Name: Diamond PWU 22 #1H				Address:				E501238		01058-0007					X	X									
Project Manager: Tom Bynum				City, State, Zip:				Analysis and Method										EPA Program							
Address: 5614 N Lovington Hwy				Phone:														SDWA				CWA		RCRA	
City, State, Zip: Hobbs, NM 88240				Email:														Compliance				Y		or	
Phone: (580)748-1613				Miscellaneous: Project No. #1-281-2														PWSID #							
Email: Tom@pimaoil.com																									
Sample Information																									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	Remarks									
9:20	1/29/2025	S		4-4'		1																			
9:24				4-6'		2																			
9:28				4-8'		3																			
9:29				4-10'		4																			
9:33				5-Surface		5																			
9:36				5-2'		6																			
9:39				5-4'		7																			
9:41				5-6'		8																			
9:46				5-8'		9																			
9:48				5-10'		10																			
Additional Instructions: W/O #21145598																									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																									
Sampled by: Andrew Franco																									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 oC on subsequent days. Lab Use Only Received on ice: ☒ Y / ☐ N T1 _____ T2 _____ T3 _____ AVG Temp oC 4													
Andrew Franco		1/29/25		5:00		Kerime Afame		1/30/25		8:40															
Kerime Afame		1/30/25		1:52		Michelle Gonzales		1-30-25		1350															
Michelle Gonzales		1-30-25		1630		J. H.		1-30-25		1630															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time															
J. H.		1-30-25		2330		Kerime Afame		1-31-25		0530															
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 14 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

Page 4 of 5

Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: Pima Environmental Services, LLC				Company: Devon Energy		Lab WO#		Job Number				1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: Diamond PWU 22 #1H				Address:		E 501238		01058-0007							X	X				
Project Manager: Tom Bynum				City, State, Zip:																
Address: 5614 N Lovington Hwy				Phone:																
City, State, Zip: Hobbs, NM 88240				Email:																
Phone: (580)748-1613				Miscellaneous: Project No. #1-281-2																
Email: Tom@pimaoil.com																				
Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	SGDOC - NM	TCOC 1005 - TX	RCRA 8 Metals	Carbon/Anion Pkg	SDWA	CWA	RCRA		
9:53	1/29/2025	S		6-Surface		11														
9:59				6-2'		12														
10:03				6-4'		13														
10:15				6-6'		14														
10:19				6-8'		15														
10:24				6-10'		16														
10:29				7-Surface		17														
10:33				7-2'		18														
10:38				7-4'		19														
10:42				7-6'		20														
Additional Instructions: W/O #21145598																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Andrew Franco																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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 oC on subsequent days. Received on ice: ☒ Y / N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>												
Andrew Franco		1/29/25	5:00	Karime Adame		1/30/25	8:40													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Karime Adame		1/30/25	1:32	Michelle Gonzales		1-30-25	1350													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: ☒ Y / N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>												
Michelle Gonzales		1-30-25	1630	John H.		1-30-25	1630													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA												
John H.		1-30-25	2:30	Highly D. Hall		1-31-25	0530													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Note: Samples are discarded 14 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

Client Information						Invoice Information						Lab Use Only				TAT				State			
Client: Pima Environmental Services, LLC						Company: Devon Energy						Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Diamond PWU 22 #1H						Address:						E501238		01058-0007					X	X			
Project Manager: Tom Bynum						City, State, Zip:																	
Address: 5614 N Lovington Hwy						Phone:																	
City, State, Zip: Hobbs, NM 88240						Email:																	
Phone: (580)748-1613						Miscellaneous: Project No. #1-281-2																	
Email: Tom@pimaoil.com																							
Sample Information									Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Phg	SDWA	CWA	RCRA	Compliance	Y	or	N	
10:49	1/29/2025	S		7-8'		21						x							PWSID #				
10:55	L	L		7-10'		22						I											
Additional Instructions: W/O #21145598																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Andrew Franco																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 on subsequent days.											
Andrew Franco		1/29/25		5:00		Larime Aflame		1/30/25		8:40		Lab Use Only											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: Y / N											
Larime Aflame		1/30/25		1:32		Michelle Gonzalez		1-30-25		1350		T1 T2 T3											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp oC											
Michelle Gonzalez		1-30-25		1630		J. J.		1.30.25		1630		4											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
J. J.		1-30-25		2330		Katelyn R Heer		1-31-25		0530		Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											

Envirotech Analytical Laboratory

Printed: 1/31/2025 9:47:46AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	01/31/25 05:30	Work Order ID:	E501238
Phone:	(575) 631-6977	Date Logged In:	01/30/25 16:32	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	02/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Diamond PWU 22 #1H has been separated into 2 reports due to sample volume. WO are E501237 & E501238. No of containers 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? Yes
11. If yes, were custody/security seals intact? No
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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 432697

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432697
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1721657722
Incident Name	NAB1721657722 DIAMOND PWU 22 #001H @ 30-015-38334
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-38334] DIAMOND PWU 22 #001H

Location of Release Source

Please answer all the questions in this group.

Site Name	DIAMOND PWU 22 #001H
Date Release Discovered	07/14/2017
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other (Specify) Produced Water Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 432697

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432697
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 02/17/2025
--	---

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 432697

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432697
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	65000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	9800
GRO+DRO (EPA SW-846 Method 8015M)	4800
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/25/2024
On what date will (or did) the final sampling or liner inspection occur	10/08/2024
On what date will (or was) the remediation complete(d)	10/14/2024
What is the estimated surface area (in square feet) that will be reclaimed	1415
What is the estimated volume (in cubic yards) that will be reclaimed	268
What is the estimated surface area (in square feet) that will be remediated	1415
What is the estimated volume (in cubic yards) that will be remediated	268

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 432697

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432697
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 02/17/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 432697

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432697
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 432697

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432697
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	389843
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/08/2024
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	420

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1415
What was the total volume (cubic yards) remediated	268
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1415
What was the total volume (in cubic yards) reclaimed	268
Summarize any additional remediation activities not included by answers (above)	Impacted soils removed.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 02/17/2025
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 432697

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432697
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 432697

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432697
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	2/19/2025
crystal.walker	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	2/19/2025
crystal.walker	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	2/19/2025
crystal.walker	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	2/19/2025
crystal.walker	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.	2/19/2025