



REMEDIATION CLOSURE REPORT

PREPARED FOR:
DEVON ENERGY PRODUCTION, LP.

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC.

May 29, 2025
PIMA ENVIRONMENTAL SERVICES, LLC.
5614 N LOVINGTON HWY, HOBBS, NM 88240



May 29, 2025

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

Bureau of Land Management
620 E. Green St.
Carlsbad, NM 88220

RE: REMEDIATION CLOSURE REPORT

LOCATION:

Cotton Draw Unit #153H- NAB1911658680

Cotton Draw Unit #117H- NAB1808251008

WELL API: 30-015-38434

GPS: 32.1671715, -103.7645721

INCIDENT LOCATION: O-34-T24S-R31E

COUNTY: Eddy

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation, and write this Remediation Closure Report for two separate incidents that occurred at the Cotton Draw Unit #153H Central Tank Battery.

The first incident, Cotton Draw Unit #153H, was discovered on August 14, 2018. An initial C-141 form was submitted on April 4, 2019, and approved by the NMOCD on April 26, 2019. This incident was assigned Incident ID: NAB1911658680, by the New Mexico Oil Conservation Division (NMOCD). A previous report was submitted by MMX on April 27, 2020 (Application ID: 5194) and included incident ID: NAB1808251008. This report was denied by the NMOCD. Pima was assigned to these projects.

The second incident, Cotton Draw Unit #117H, was discovered on March 11, 2018. An initial C-141 form was submitted on March 22, 2018, and approved by the NMOCD on March 23, 2018. This incident was assigned Incident ID: NAB1808251008, by the New Mexico Oil Conservation Division (NMOCD).

RELEASE INFORMATION

NAB1911658680: On August 14, 2018, a bad valve on the header allowed fluid to flow into the water knockout. The heater was closed due to a leak resulting in release. Lines were isolated. The released fluids were calculated to be approximately 4.97 barrels (bbls) of crude oil, and 5 barrels of produced water. A vacuum truck was called and was able to recover 3 bbls of crude oil and 2.5 bbls of produced water.

NAB1808251008: On March 11, 2018, the heater dump was plugged up, causing heater to swamp out and released fluids onto location. A portion of the location was affected by the release to the ground and a portion of the location was affected by misting overspray. All fluids stayed on location. The released fluids were calculated to be approximately



13 barrels (bbls) of crude oil. No fluids were able to be recovered. (Released occurred at the Central Tank Battery at the CDU 153H API: 30-015-38535).

SITE CHARACTERIZATION

The Cotton Draw Unit #153H (CDU) is located approximately nineteen (19) miles southeast of Malaga, NM. This spill site is in Unit B, Section 03, Township 25S, Range 31E, Latitude 32.166134 Longitude -103.764013, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino complex, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the CDU (Figure 3). Reference Figure 2 for a Topographic Map.

Based on the well water data from the New Mexico Office of the State Engineer, C-04593-POD1 is a borehole that was drilled March 9, 2022, to a depth of 55 feet below grade surface (BGS) and located 0.22 of a mile from this release area. No water bearing soil was encountered during this event. Conversely, as per the United States Geological Survey well water data from USGS320952103444401, the nearest groundwater depth in this region is recorded at 406 feet BGS, located 1.10 miles away from the CDU, with the last gauge conducted in 1998. For detailed references to water surveys and the precise locations of water wells, please refer to Appendix A, inclusive of the relevant maps. Closure criteria for this release area will be according to the 51-100' section of Table 1 19.15.29 NMAC. The regulatory limits are as follows. Chlorides should be less than 10,000 mg/kg, TPH (GRO+DRO+MRO) should be less than 2,500 mg/kg, BTEX should be less than 50 mg/kg, and Benzene should be less than 10 mg/kg.

COTTON DRAW UNIT #153H (INCIDENT ID: NAB1911658680)

SITE ASSESSMENT, AND SOIL SAMPLING RESULTS

On August 2, 2024, after submitting a 48-Hour Sampling Notification (Appendix C), Pima mobilized personnel to the site to begin collecting soil samples with the intention of delineating the release area. Samples were collected from 5 different points within the release area for vertical delineation, and 4 different points around the edges of the release area for horizontal delineation. One background sample was collected from the pasture area just north off the pad. A total of 25 samples were collected, put on ice, jarred, and delivered to Envirotech Analytical Laboratories, Inc for official testing. The laboratory results from this sampling event can be found in the Data Table included in Figure 4. A complete Laboratory Report can be found in Appendix E. A Site Map is referenced in Figure 5.

The lab sample results verified all samples within the top 4 feet of soil in this area included non-waste containing, earthen material with chloride levels less than 600 mg/kg and TPH concentrations less than 100 mg/kg per 19.15.29.13 NMAC. No remediation was required at this time.

A Closure Report was submitted to the NMOCD on August 14, 2024, and was subsequently denied on August 27, 2024 (Application ID: 376457).



COUNTERMEASURES DUE TO REJECTION (NMOCD Application ID: 376457)

On August 27, 2024, the NMOCD denied the Closure Report citing:

“The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for Incident ID (n#) NAB1911658680, for the following reasons:

- Grab samples do not meet the requirements of 19.15.29.12 D. (1) NMAC or 19.15.29.12 D. (1)(c) NMAC, and OCD does not have record of an approved composite grab sample plan for this release or an approved variance request to use site assessment/delineation sample as closure samples. Pursuant to 19.15.29.12 D. (1) NMAC, the responsible party must test the remediated areas for contamination with representative five-point composite samples from the walls and base, and individual grab samples from any wet or discolored areas. The samples must be analyzed for the constituents listed in Table 1 of 10.15.29.12 NMAC or constituents from other remediation standards. Pursuant to 19.15.29.12.D. (1)(b) and (c) NMAC, the responsible party may submit a composite and grab sample plan of the remediated area where each composite sample is not representative of more than 200 square feet. The previous application submitted under application ID: 5194, which was subsequently denied, shows a larger area was impacted than what was sampled and submitted in this application. OCD acknowledges that the previous report addressed 2 separate incident numbers, but the individual releases were not identified, and OCD is requesting that both releases be handled simultaneously. Additional delineation and potential remediation must be completed prior to requesting closure for this incident number and NAB1808251008. Be advised that the 7/31/2024 sampling notification was submitted with incorrect information. The sampling event date was entered as 08/02/2104. OCD is requiring an updated C-141N be submitted that reflects the correct sampling date. Future C-141N and/or C-141Ls must include the correct information prior to submittal. Submit a complete report through the OCD permitting website by 10/31/2024.

In response to the closure report rejection, Pima submitted a proposed sampling plan/variance request to NMOCD on December 5, 2024. The Proposed Sampling Map is referenced in Figure 6, and NMOCD correspondence can be found in Appendix C. The sampling plan/variance request was approved contingent upon the following:

- Your variance request toward an alternative sampling plan per 19.15.29.12D (1b) NMAC to use individual grab as confirmation samples as long as any of the sample points collected are under the allowable concentrations of the closure standards is approved. Sampling notification still applies for this plan. Reclamation standards will be used once the site has been plugged and abandoned. The following is the request submitted via email on 12/5/2024; We propose to sample the Cotton Draw Unit 153H spill area and collect seven (7) bottom samples from surface, 1', 2', 3' and 4' and eight (8) sidewall samples from surface, 1', 2', 3' and 4'. We will collect three (3) bottom samples from surface, 1', 2', 3' and 4' to determine contamination for L1, L3 and L4 MMX sample points and twelve (12) sidewall samples from surface, 1', 2', 3' and 4'. We are starting with a 200 square foot area per sampling point, should contamination be present, we will return to collect additional samples until the extent of the release is determined. We have an approved work plan on the Cotton Draw Unit 117H Incident NAB18008251008 these areas are highlighted in red and turquoise on the proposed sampling map. If any of the above-mentioned sample points come back over the limits, we will write a remediation work plan to include remediation of these areas with the Cotton Draw Unit #117H and we will remediate these areas at the same time. Should these samples come back under the limits, we are requesting a variance to use these samples as confirmation samples.



After submitting a 48-hour sampling notification (Appendix C), Pima returned to the CDU on December 11, 2024, to collect the samples per the approved Proposed Sampling Plan (Figure 6). Seven (7) bottom samples were collected from surface, 1', 2', 3' and 4' bgs labeled S1-S7. Eight (8) sidewall samples were collected from surface, 1', 2', 3', and 4' bgs labeled SW1-SW8. Three (3) bottom samples were collected from L1, L3 and L4 MMX sample points and twelve (12) sidewall samples were collected from surface, 1', 2', 3' and 4' bgs labeled L1N, L1E, L1S, L1W, L3N, L3E, L3S, L3W, L4N, L4E, L4S, & L4W. All samples were jarred, put on ice, and delivered to Envirotech Analytical Laboratories, Inc for analytical testing. The results from this sampling event can be found in the Data Tables in Figure 4. A complete Laboratory Report can be found in Appendix E.

Based on the sampling results, bottom samples S1-S7 came back over the regulatory limits per Table 1 19.15.29.12 NMAC and required remediation. Sidewall Samples SW1-SW8, bottom samples L1, L3 and L4, and sidewall samples L1N, L1E, L1S, L1W, L3N, L3E, L3S, L3W, L4N, L4E, L4S, & L4W all came back under the regulatory limits and did not require further remediation. All sample results under the regulatory limits were used as confirmation samples per the approved variance. The areas requiring remediation would be included in the remediation of the Cotton Draw Unit #117H Incident NAB18008251008.

A Remediation Work Plan was submitted to the NMOCD on December 17, 2024. Due to data discrepancies, Devon proposed a third set of samples be collected by Etech Environmental & Safety Solutions (Etech) to ensure the data was correct to properly evaluate the Proposed Remediation Work Plan. Etech's Sample Map is referenced in Figure 7. The Remediation Work Plan was conditionally approved on March 13, 2025 (Application ID: 414187).

Approval conditions:

- Per email correspondence between NMOCD and Devon personnel, "Devon is choosing to use both the second round of Pima soil samples and the most recent Etech soil samples to drive remediation for this incident. The Pima soil samples will drive vertical advancement of the excavation, while Etech soil samples will drive the horizontal extent." The email correspondence and the Etech soil samples have been added to this application.
Email correspondence can be found in Appendix C.
- Etech's analytical data from the 2/5/2025 sampling event must be included in the next submittal.
Etech's Data Table is included in Figure 4, and the complete laboratory report is included in Appendix E.
- NMOCD approves the dig and haul of contaminated soils however, NMOCD does not approve the proposed depth or lateral extent of the proposed excavation as field conditions may determine a larger and deeper excavation is required than what is proposed.
- An NMOCD representative WILL be on-site to observe the collection of confirmation/final samples. NMOCD is requesting that in addition to the C-141N being submitted, an email be sent to brittany.hall@emnrd.nm.gov that includes the date and time of when confirmation samples will be collected. Without NMOCD witnessing the collection of the confirmation sampling, the samples will not be accepted for closure.
An email notifying the NMOCD that Pima planned to collect confirmation/final samples on 4/9/2025 at 11:00 a.m. was sent to Brittany Hall on April 7, 2025. An automatic reply was received stating: "I am out of the office from April 5-21, 2025. I will return April 22, 2025. Please contact Cory Smith if you need assistance." Pima sent the confirmation/final sampling event information to Cory Smith. A response was



received from Mr. Smith verifying that date and time worked for the NMOCD and they would be present for the confirmation/final sampling event. A copy of this correspondence can be found in Appendix C.

- **Submit a complete and accurate report through the OCD Permitting website by 6/13/2025.**

REMEDIATION ACTIVITIES

On April 2, 2025, Pima and the Devon construction department mobilized equipment and personnel to the site to begin remediation activities. Pima soil samples drove the vertical advancement of the excavation. The areas of S1-S7 were excavated to a depth of 1 ½' bgs, totaling approximately 48 cubic yards. Etech's soil samples drove the horizontal extent with the excavation covering approximately 1,077 square feet. All contaminated materials were securely transported to the Owl North Delaware Basin, a disposal facility approved by the NMOCD. An Excavation Map can be found in Figure 8. Photographic Documentation can be found in Appendix D.

On April 7, 2025, Devon submitted a 48-hour sampling notification (Appendix C) and notified the NMOCD via email of the confirmation sampling event taking place. On April 9, 2025, a Pima field technician conducted a confirmation sampling event at the CDU. A representative of the NMOCD was present and witnessed the confirmation sampling event. A total of six (6) 5-point composite samples were collected from the bottom of the excavated area, labeled CS1-CS6, and four (4) 5-point composite samples were collected from the sidewalls of the excavated area, labeled CSW1-CSW4. Each composite sample represented an area of no more than 200 square feet. All samples were jarred, put on ice, and delivered to Envirotech Analytical Laboratories, Inc for analytical testing. The laboratory results from this sampling event can be found in the Data Tables included in Figure 4. A complete Laboratory Report can be found in Appendix E. A corresponding Confirmation Sample Map (A) can be found in Figure 9.

On April 10, 2025, Pima received the official laboratory report verifying that contamination had been removed from the excavated area, with the exception of the south wall where sample point CSW3 was collected. DRO was recorded at 1,070 mg/kg and did not meet the closure criteria according to the 51-100' section of Table 1 19.15.29 NMAC. On April 28, 2025, the sidewall labeled CSW3 was extended an additional 1 foot to the south. Approximately 100 sq ft of contamination was removed at a depth of 1 ½' bgs, totaling approximately 5 cubic yards. The contaminated material was securely transported to the Owl North Delaware Basin, a disposal facility approved by the NMOCD.

On April 30, 2025, a 48-hour sampling notification was submitted to the NMOCD (Appendix C). On May 2, 2025, one (1) 5-point composite sample labeled, CSW3 was collected from the excavated area. The sample was jarred, put on ice, and delivered to Envirotech Analytical Laboratories, Inc for analytical testing. The laboratory results from this sampling event can be found in the Data Tables included in Figure 4. A complete Laboratory Report can be found in Appendix E. A corresponding Confirmation Sample Map (B) can be found in Figure 10. On May 8, 2025, Pima received the official laboratory report confirming that the results from the sampling event verified that contamination had been removed met the closure criteria per Table 1 19.15.29 NMAC. The excavated area was then backfilled with clean material. Photographic Documentation can be found in Appendix D.

COTTON DRAW UNIT #117H (INCIDENT ID: NAB1911658680)

SITE ASSESSMENT, AND SOIL SAMPLING RESULTS

On November 10, 2023, Pima mobilized personnel to the site to begin collecting soil samples with the intention of delineating the release area. Samples were collected from 5 different points within the release area at depth intervals of 1', 2', 3' and 4' bgs for vertical delineation, and 8 different points around the edges of the release area 0-4' bgs



composite samples for horizontal delineation. One background sample was collected at 1' bgs from the pasture area just north off the pad. A total of 29 samples were collected, put on ice, jarred, and delivered to the lab for official testing. On December 6, 2023, Pima personnel returned to the site to collect additional samples to achieve vertical delineation. Sample points S3 through S5 were advanced to depths of 5' bgs. These three samples were collected, put on ice, jarred, then delivered to the lab for official testing. The laboratory results from these sampling events can be found in the Data Tables included in Figure 4. A complete Laboratory Report can be found in Appendix E. A Site Map is referenced in Figure 11.

A Closure Report was submitted to the NMOCD on June 14, 2024, and was subsequently denied on June 24, 2024 (Application ID: 354203).

COUNTERMEASURES DUE TO REJECTION (NMOCD Application ID: 354203)

On June 24, 2024, the NMOCD denied the Closure Report citing:

“The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for Incident ID (n#) NAB1808251008, for the following reasons:

- Remediation closure request denied. Final sampling does not comply with 19.15.29.12 D.(1)(a-c) NMAC. Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. As sampling occurred just before and during the OCD's transition to the new digital C-141, sampling notification for closure sampling should have been provided via email if the samples were anticipated to be used as final samples. A copy of the final sampling notification email was not included in the attached report. Any C-141N forms submitted with a sampling date prior to the 12/1/2023 digital C-141 release date need to have the email notifications included in the report in order to provide proof of compliance with 19.15.29 12 D (1)(a) NMAC. The questions on the C-141 that require the square footage and cubic yardage that will be reclaimed were both answered 0. Pursuant to 19.15.29.13 NMAC, all impacted surfaces must be reclaimed. Analytical results included in the attached report indicate contamination above the reclamation standards in the upper 4 feet of the release area. The answers will need to reflect the correct square footage/cubic yardage that will need to be reclaimed when the site is no longer needed for production. Submit a complete and accurate report through the OCD Permitting website by 9/24/2024.

In response to the rejected closure report, Pima submitted the required 48-hour sampling notification on July 30, 2024 (Appendix C) and returned to the site on August 1, 2024, to recollect the delineation samples. The laboratory results from this sampling event can be found in the Data Tables included in Figure 4. A complete Laboratory Report can be found in Appendix E.

A Remediation Work Plan was submitted to the NMOCD on November 22, 2024, and was conditionally approved on November 25, 2024 (Application ID: 405952).

Approval conditions:

- Remediation Plan conditionally approved. OCD will not approve the proposed excavation dimensions as additional remediation may be required based on remediation confirmation/final sampling analytical results. Remediation confirmation/final sampling must meet Table 1 closure criteria found in 19.15.29 NMAC. Any samples that return results above the closure criteria must be excavated further. Remediation



closure/final samples must be 5-point composite samples representative of no more than 200 square feet. Pursuant to 19.15.29.12.D.(1).(a) NMAC, the responsible party must notify the appropriate division district office two business days prior to conducting final sampling. If the division district office does not respond to the notice within two business days, the responsible party may proceed with final sampling. The responsible party may request a variance from this requirement upon a showing of good cause as determined by the division. In the last rejection (dated 6/24/2024), OCD advised that the questions on the C-141 that require the square footage and cubic yardage that will be reclaimed were both answered 0. In this application these questions were answered 0 again. When the closure report is submitted, ensure that these questions reflect how much soil will be reclaimed when the site is no longer reasonably needed for production or subsequent drilling activities. The Digital C-141 guidance documents can be found at <https://www.enmrd.nm.gov/ocd-announcements-and-notifications/https://www.enmrd.nm.gov/ocd/ocd-forms/>. The explanation of the reclaimed square footages and cubic yardages are located in the remediation plan, remediation closure, and reclamation sections of the guidance document. OCD approved the 60-day timeline in the report. Submit a complete and accurate closure report through the permitting website by 1/31/2025.

January 23, 2025, Extension Request: 60-day extension request was requested due to data discrepancies on NAB1911658680 and both incidents will be handled simultaneously as they are located on the same site. Extension request approved. New due date is March 28, 2025.

March 24, 2025, Extension Request: Extension requested for the Cotton Draw Unit #117H incident number NAB1808251008 until 6/13/2025. The remediation of this site has been on hold until the Remediation Work Plan was approved for the Cotton Draw Unit #153H incident number NAB1911658680, which has recently been approved. Extension Approved. This will be the last extension for NAB1808251008. Per NMOCD's request, a copy of the extension request is included in Appendix C.

REMEDIATION ACTIVITIES

On April 2, 2025, Pima and the Devon construction department mobilized equipment and personnel to the site to begin remediation activities. The areas of S1 and S2 were excavated to a depth of 2 ½' below ground surface (bgs), totaling approximately 38 cubic yards and approximately 400 square feet. All contaminated materials were securely transported to the Owl North Delaware Basin, a disposal facility approved by the NMOCD. An Excavation Map can be found in Figure 12. Photographic Documentation can be found in Appendix D.

On April 7, 2025, Devon submitted a 48-hour sampling notification (Appendix C). On April 9, 2025, a Pima field technician conducted a confirmation sampling event at the CDU. A total of three (3) 5-point composite samples were collected from the bottom of the excavated area, labeled CS1-CS3, and three (3) 5-point composite samples were collected from the sidewalls of the excavated area, labeled CSW1-CSW3. Each composite sample represented an area of no more than 200 square feet. All samples were jarred, put on ice, and delivered to Envirotech Analytical Laboratories, Inc for analytical testing. On April 11, 2025, Pima received the official laboratory report verifying that contamination had been sufficiently removed from the excavated area and met the closure criteria according to the 51-100' section of Table 1 19.15.29 NMAC. The excavated area was then backfilled with clean material. The laboratory results from this sampling event can be found in the Data Tables included in Figure 4. A complete Laboratory Report can be found in Appendix E. A corresponding Confirmation Sample Map can be found in Figure 13. Photographic Documentation can be found in Appendix D.



CLOSURE REQUEST

After thorough review, Pima requests the closure of Incident NAB1911658680 and Incident NAB1808251008.

Devon has met all applicable closure requirements outlined in 19.15.29.12 NMAC and respectfully submits this Remediation Closure Report for approval. Devon acknowledges that once this pad area is no longer needed for production or future drilling operations, a reclamation closure report must be submitted and approved, ensuring a minimum of four feet of non-waste containing earthen material. Additionally, a revegetation plan will be provided once the site achieves 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@dvn.com.

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

Respectfully,

DelRae Geller

DelRae Geller

Project Manager

Pima Environmental Services, LLC



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Cotton Draw Unit #117H | Cotton Draw Unit #153H

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ATTACHMENTS

FIGURES:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Site Map (CDU #153H)
- 6- Proposed Sampling Map
- 7- Etech Sample Map
- 8- Excavation Map
- 9- Confirmation Sample Map (A)
- 10- Confirmation Sample Map (B)
- 11- Site Map (CDU #117H)
- 12- Excavation Map
- 13- Confirmation Sample Map

APPENDICES:

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



FIGURES

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables Data Tables
- 5- Site Map (CDU #153H)
- 6- Proposed Sampling Map Map
- 7- Etech Sampling Map
- 8- Excavation Map
- 9- Confirmation Sample Map (A)
- 10- Confirmation Sample Map (B)
- 11- Site Map (CDU #117H)
- 12- Excavation Map Excavation Map
- 13- Confirmation Sample Map



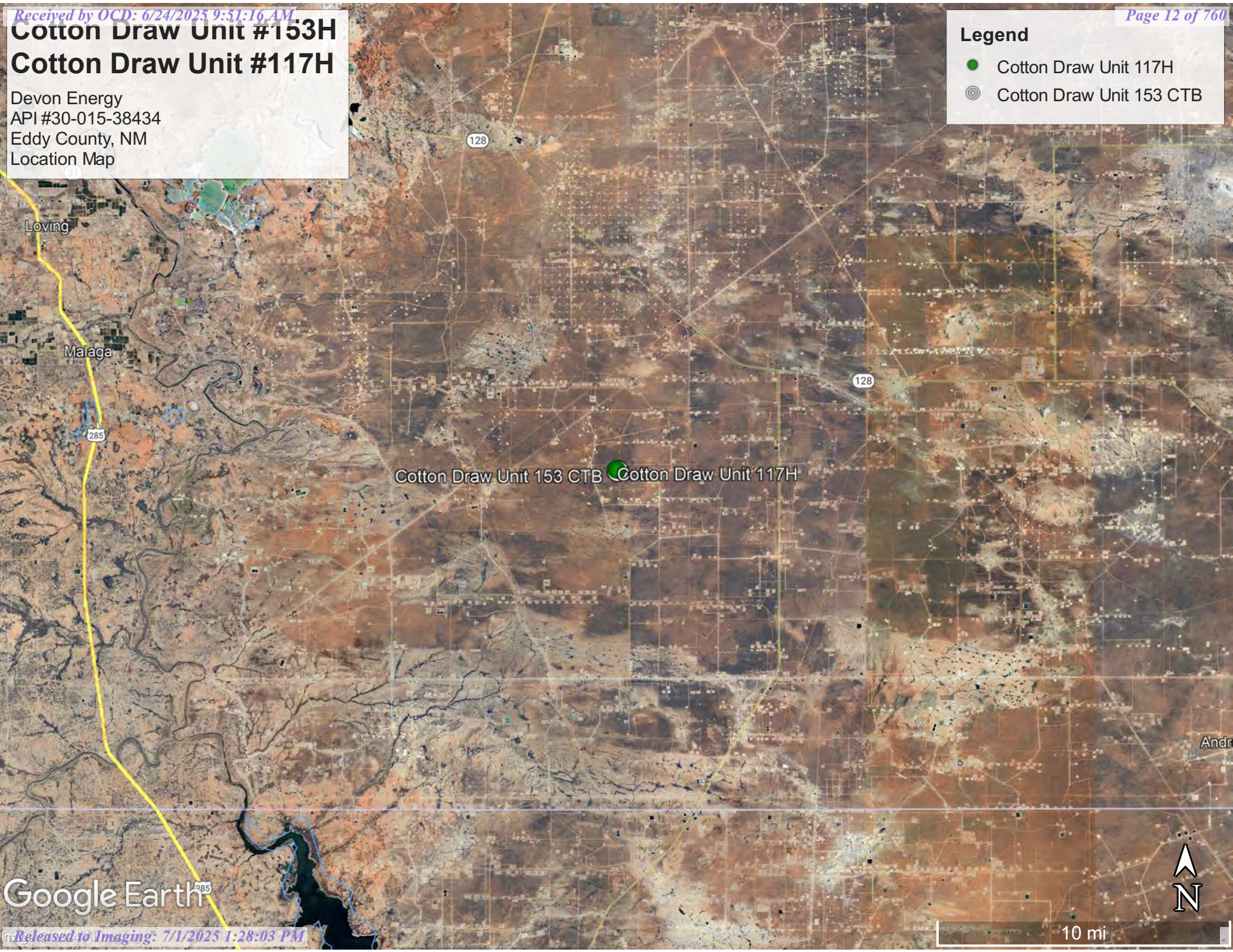
Cotton Draw Unit #153H

Cotton Draw Unit #117H

Devon Energy
API #30-015-38434
Eddy County, NM
Location Map

Legend

- Cotton Draw Unit 117H
- ⊙ Cotton Draw Unit 153 CTB



Cotton Draw Unit 153 CTB ● Cotton Draw Unit 117H

Google Earth

10 mi



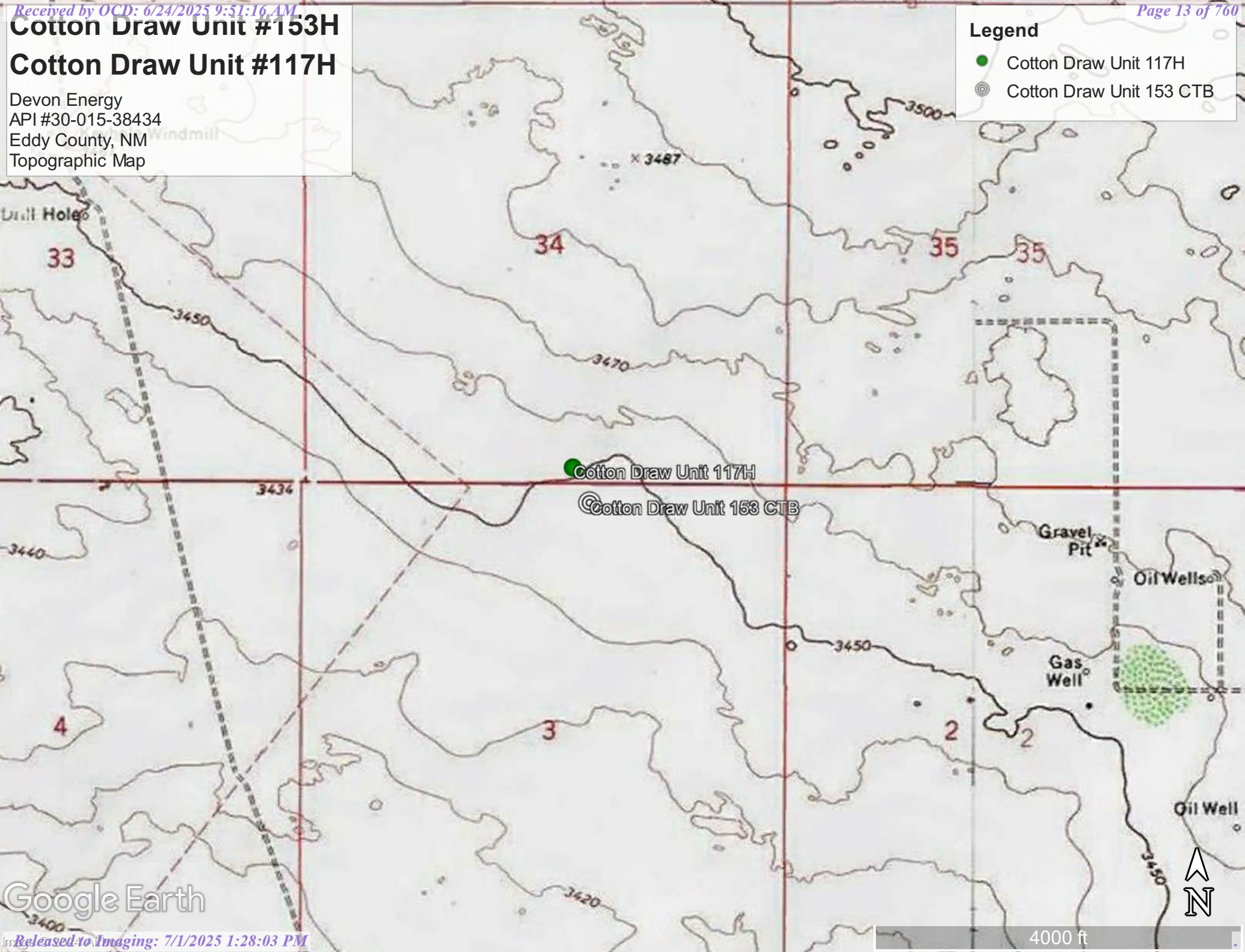
Cotton Draw Unit #153H

Cotton Draw Unit #117H

Devon Energy
API #30-015-38434
Eddy County, NM
Topographic Map

Legend

- Cotton Draw Unit 117H
- ⊙ Cotton Draw Unit 153 CTB





Google Earth

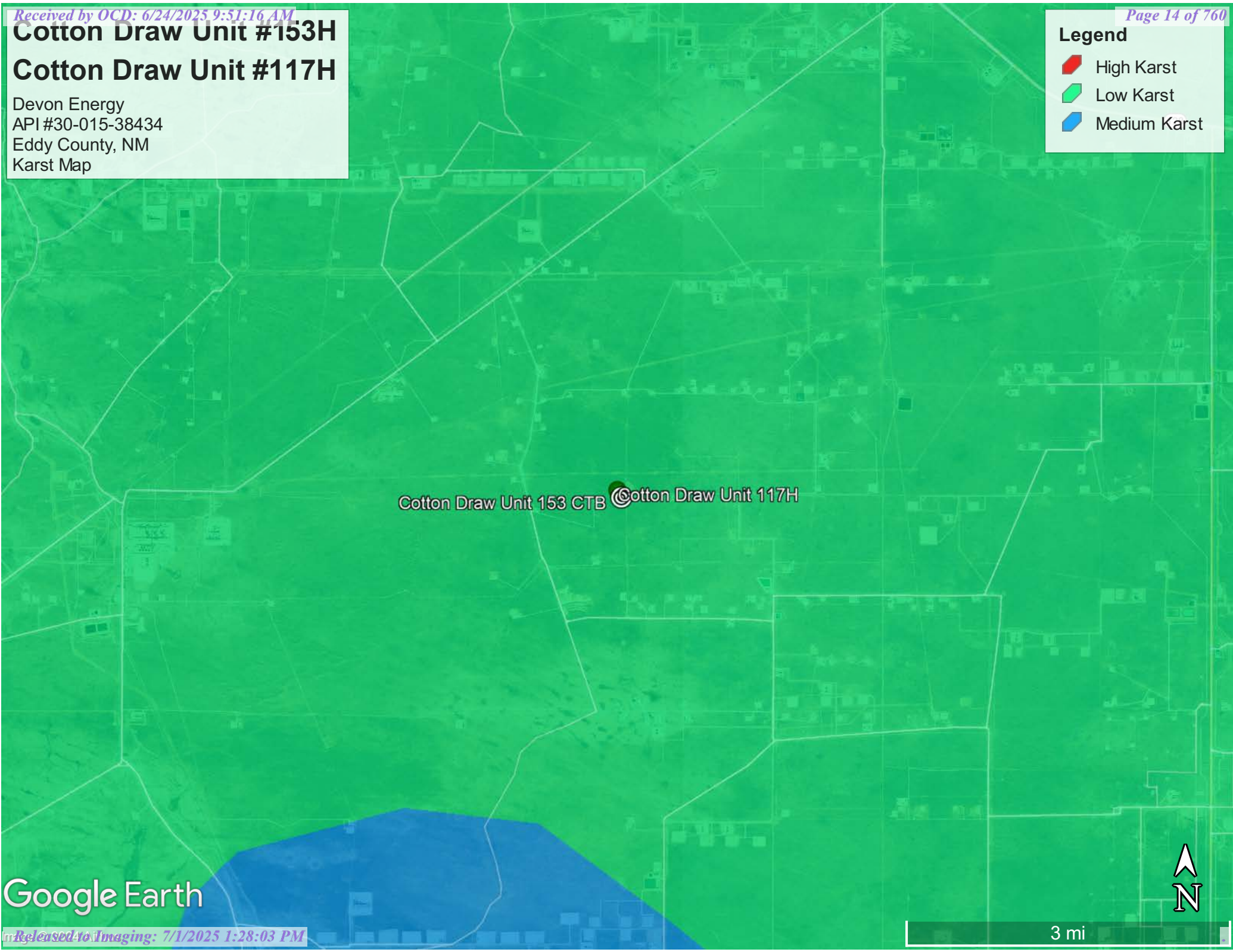
Cotton Draw Unit #153H

Cotton Draw Unit #117H

Devon Energy
API #30-015-38434
Eddy County, NM
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth



3 mi

DATA TABLES CDU #153H

8-2-2024 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100' BGS)								
DEVON ENERGY Cotton Draw Unit #153H								
Date: 8-2-24		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	Cl mg/kg
CS1	1'	ND	ND	ND	ND	ND	0	534
	2'	ND	ND	ND	ND	ND	0	181
	3'	ND	ND	ND	ND	ND	0	27.9
	4'	ND	ND	ND	ND	ND	0	ND
CS2	1'	ND	ND	ND	ND	ND	0	499
	2'	ND	ND	ND	ND	ND	0	312
	3'	ND	ND	ND	ND	ND	0	25.4
	4'	ND	ND	ND	ND	ND	0	ND
CS3	1'	ND	ND	ND	ND	ND	0	366
	2'	ND	ND	ND	ND	ND	0	326
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
CS4	1'	ND	ND	ND	ND	ND	0	483
	2'	ND	ND	ND	ND	ND	0	119
	3'	ND	ND	ND	ND	ND	0	22.8
	4'	ND	ND	ND	ND	ND	0	ND
CS5	1'	ND	ND	ND	ND	ND	0	457
	2'	ND	ND	ND	ND	ND	0	259
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	31.4
CSW1	(0-4')	ND	ND	ND	ND	ND	0	ND
CSW2	(0-4')	ND	ND	ND	ND	ND	0	ND
CSW3	(0-4')	ND	ND	ND	ND	ND	0	ND
CSW4	(0-4')	ND	ND	ND	ND	ND	0	ND
BG1	(0-4')	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected



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

DEVON ENERGY PRODUCTION, LP.

12-11-2024 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit #153H								
Sample Date:		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	Surface	ND	ND	ND	59.1	59.1	118.2	94.4
	1'	ND	ND	ND	3660	1510	5170	466
	2'	ND	ND	ND	95.5	79.2	174.7	383
	3'	ND	ND	ND	84.9	90.2	175.1	910
	4'	ND	ND	ND	ND	ND	0	159
S2	Surface	ND	ND	ND	76.7	80.3	157	59.6
	1'	ND	ND	ND	3350	1540	4890	464
	2'	ND	ND	ND	43.1	ND	43.1	154
	3'	ND	ND	ND	177	132	309	970
	4'	ND	ND	ND	ND	ND	0	184
S3	Surface	ND	ND	ND	58	73.2	131.2	59.9
	1'	ND	ND	ND	2680	1360	4040	411
	2'	ND	ND	ND	47.3	ND	47.3	176
	3'	ND	ND	ND	81	55.2	136.2	174
	4'	ND	ND	ND	ND	ND	0	166
S4	Surface	ND	ND	ND	105	97.9	202.9	ND
	1'	ND	ND	ND	2570	1180	3750	ND
	2'	ND	ND	ND	71.1	89.6	160.7	ND
	3'	ND	ND	ND	64.4	60.9	125.3	ND
	4'	ND	ND	ND	ND	ND	0	ND
S5	Surface	ND	ND	ND	50	64.7	114.7	45.4
	1'	ND	ND	ND	2580	1190	3770	410
	2'	ND	ND	ND	63.1	68.1	131.2	358
	3'	ND	ND	ND	88	84.7	172.7	1000
	4'	ND	ND	ND	ND	ND	0	156
S6	Surface	ND	ND	ND	49.5	54.7	104.2	60.7
	1'	ND	ND	ND	3360	1470	4830	458
	2'	ND	ND	ND	ND	ND	0	333
	3'	0.0252	ND	ND	79.2	108	187.2252	982
	4'	ND	ND	ND	ND	ND	0	170



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit #153H								
Sample Date:		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S7	Surface	ND	ND	ND	124	156	280	64
	1'	ND	ND	ND	2820	1450	4270	406
	2'	ND	ND	ND	ND	ND	0	356
	3'	ND	ND	ND	ND	ND	0	938
	4'	ND	ND	ND	ND	ND	0	161
SW1	Surface	ND	ND	ND	ND	ND	0	73.8
	1'	ND	ND	ND	ND	ND	0	432
	2'	ND	ND	ND	ND	ND	0	387
	3'	ND	ND	ND	ND	ND	0	939
	4'	ND	ND	ND	ND	ND	0	168
SW2	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW3	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	74.5	74.5	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW4	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW5	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW6	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit #153H								
Sample Date:		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
SW7	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW8	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
L1	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
LN1	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
LE1	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
LS1	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
LW1	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit #153H								
Sample Date:		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
L3	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	37.3
LN3	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	28.8
LE3	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	67.8
LS3	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	59.9
LW3	Surface	ND	ND	ND	ND	ND	0	34.4
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	21
	3'	ND	ND	ND	ND	ND	0	25
	4'	ND	ND	ND	ND	ND	0	ND
L4	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
LN4	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit #153H								
Sample Date:		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
LE4	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
LS4	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	118
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
LW4	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND

4-9-2025 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit 153H								
Date: 4-9-25		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	Cl mg/kg
CS1	COMP	ND	ND	ND	ND	ND	0	253
CS2	COMP	ND	ND	ND	ND	ND	0	529
CS3	COMP	ND	ND	ND	ND	ND	0	76.1
CS4	COMP	ND	ND	ND	ND	ND	0	ND
CS5	COMP	ND	ND	ND	ND	ND	0	237
CS6	COMP	ND	ND	ND	ND	ND	0	387
CSW1	COMP	ND	ND	ND	ND	ND	0	ND
CSW2	COMP	ND	ND	ND	29.8	ND	29.8	32.8
CSW3	COMP	ND	ND	ND	1070	753	1823	269
CSW4	COMP	ND	ND	ND	ND	59.5	59.5	176



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DEVON ENERGY PRODUCTION, LP.

5-2-2025 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit 153H								
Date: 5-2-25		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	Cl mg/kg
CSW3	COMP	ND	ND	ND	ND	ND	ND	ND



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DEVON ENERGY PRODUCTION, LP.



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 Devon Energy Production Company, LP
 Cotton Draw Unit #153
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - Incident Number NAB1911658680										
BH01	02/05/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.7
BH01	02/05/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139
BH01	02/05/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	281
BH01	02/05/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	397
BH01	02/05/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	972
BH02	02/05/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	02/05/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.8
BH02	02/05/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	89.2
BH02	02/05/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	381
BH02	02/05/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.5
BH03	02/05/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.5
BH03	02/05/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	191
BH03	02/05/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	02/05/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	602
BH03	02/05/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.7
BH04	02/05/2025	0.5	<0.0250	<0.0500	<20.0	66.6	64.1	66.6	131	38.2
BH04	02/05/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	199
BH04	02/05/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	200
BH04	02/05/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	198
BH04	02/05/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.1
BH05	02/06/2025	0.5	<0.0250	<0.0500	<20.0	76.4	71.6	76.4	148	36.6
BH05	02/06/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	129
BH05	02/06/2025	2	<0.0250	<0.0500	<20.0	26.4	<50.0	26.4	26.4	<20.0
BH05	02/06/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.4
BH05	02/06/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.4



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 Devon Energy Production Company, LP
 Cotton Draw Unit #153
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - Incident Number NAB1911658680										
BH06	02/06/2025	0.5	<0.0250	<0.0500	<20.0	58.9	54.9	58.9	114	39.0
BH06	02/06/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	134
BH06	02/06/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH06	02/06/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.5
BH06	02/06/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	234
BH07	02/06/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH07	02/06/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	130
BH07	02/06/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	266
BH07	02/06/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.7
BH07	02/06/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.2
BH08	02/06/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH08	02/06/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	134
BH08	02/06/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	266
BH08	02/06/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.0
BH08	02/06/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.2
BH09	02/06/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.4
BH09	02/06/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	141
BH09	02/06/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	284
BH09	02/06/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09	02/06/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10	02/06/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.3
BH10	02/06/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	147
BH10	02/06/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	268
BH10	02/06/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10	02/06/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 Devon Energy Production Company, LP
 Cotton Draw Unit #153
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - Incident Number NAB1911658680										
BH11	02/07/2025	0.5	<0.0250	<0.0500	<20.0	962	942	962	1,904	317
BH11	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	787
BH11	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	720
BH11	02/07/2025	3	<0.0250	<0.0500	<20.0	45.8	<50.0	45.8	45.8	1,200
BH11	02/07/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
BH12	02/07/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH12	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH12	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH12	02/07/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.9
BH12	02/07/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	586
BH13	02/07/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH13	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH13	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH13	02/07/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.1
BH13	02/07/2025	4	<0.0250	<0.0500	<20.0	52.8	<50.0	52.8	52.8	36.6
BH14	02/07/2025	0.5	<0.0250	<0.0500	<20.0	38.1	<50.0	38.1	38.1	21.2
BH14	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.6
BH14	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.1
BH14	02/07/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.8
BH14	02/07/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.7
BH15	02/07/2025	0.5	<0.0250	<0.0500	<20.0	62.1	<50.0	62.1	62.1	26.2
BH15	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH15	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.2
BH15	02/07/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH15	02/07/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	133



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
 Devon Energy Production Company, LP
 Cotton Draw Unit #153
 Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - Incident Number NAB1911658680										
BH16	02/07/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	117
BH16	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.7
BH16	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.2
BH16	02/07/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH16	02/07/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	56.7
BH17	02/07/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH17	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH17	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH17	02/07/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH17	02/07/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.6
BH18	02/07/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH18	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH18	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH18	02/07/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH18	02/07/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.3
BH19	02/07/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.9
BH19	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.7
BH19	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.7
BH19	02/07/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	35.4
BH19	02/07/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.2
BH20	02/07/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.2
BH20	02/07/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.9
BH20	02/07/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.0
BH20	02/07/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.3
BH20	02/07/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.2

Notes:
 bgs: below ground surface
 mg/kg: milligrams per kilogram
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
 GRO: Gasoline Range Organics
 DRO: Diesel Range Organics

ORO: Oil Range Organics
 TPH: Total Petroleum Hydrocarbon
 NMOCD: New Mexico Oil Conservation Division
 NMAC: New Mexico Administrative Code
 Text in "grey" represents excavated soil samples

Concentrations in bold exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard† for Soils Impacted by a Release

† The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

DATA TABLES CDU #117H

11-10-2023 & 12-6-2023

Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')									
DEVON ENERGY - COTTON DRAW UNIT 117H - nAB1808251008									
NM Approved Laboratory Results									
Sample ID	Sample Date:	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1-1'	11/10/2023	1'	ND	ND	ND	39.8	ND	39.8	132
S1-2'		2'	ND	ND	ND	ND	ND	0	80.9
S1-3'		3'	ND	ND	ND	ND	ND	0	78.2
S1-4'		4'	ND	ND	ND	ND	ND	0	45.8
S2-1'	11/10/2023	1'	ND	ND	ND	ND	ND	0	126
S2-2'		2'	ND	ND	ND	ND	ND	0	89
S2-3'		3'	ND	ND	ND	ND	ND	0	95.9
S2-4'		4'	ND	ND	ND	54.6	ND	54.6	40
S3-1'	11/10/2023	1'	ND	ND	ND	ND	ND	0	123
S3-2'		2'	ND	ND	ND	ND	ND	0	92.1
S3-3'		3'	ND	ND	ND	ND	ND	0	96.5
S3-4'		4'	ND	ND	ND	155	90.8	245.8	39.9
S3-5'	12/6/2023	5'	ND	ND	ND	ND	ND	0	25.2
S4-1'	11/10/2023	1'	ND	ND	ND	ND	ND	0	112
S4-2'		2'	ND	ND	ND	ND	ND	0	95.6
S4-3'		3'	ND	ND	ND	ND	ND	0	91.9
S4-4'		4'	ND	ND	ND	420	239	659	49.6
S4-5'	12/6/2023	5'	ND	ND	ND	ND	ND	0	58.8
S5-1'	11/10/2023	1'	ND	ND	ND	ND	ND	0	116
S5-2'		2'	ND	ND	ND	39.6	ND	39.6	92.4
S5-3'		3'	ND	ND	ND	ND	ND	0	93
S5-4'		4'	ND	ND	ND	245	137	382	54
S5-5'	12/6/2023	5'	ND	ND	ND	ND	ND	0	39.1



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DEVON ENERGY PRODUCTION, LP.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')									
DEVON ENERGY - COTTON DRAW UNIT 117H - nAB1808251008									
NM Approved Laboratory Results									
Sample ID	Sample Date:	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
SW1	11/10/2023	0-4' Comp	ND	ND	ND	ND	ND	0	42.5
SW2	11/10/2023	0-4' Comp	ND	ND	ND	ND	ND	0	36.9
SW3	11/10/2023	0-4' Comp	ND	ND	ND	ND	ND	0	30.3
SW4	11/10/2023	0-4' Comp	ND	ND	ND	ND	ND	0	43.5
SW5	11/10/2023	0-4' Comp	ND	ND	ND	ND	ND	0	26.1
SW6	11/10/2023	0-4' Comp	ND	ND	ND	ND	ND	0	37.4
SW7	11/10/2023	0-4' Comp	ND	ND	ND	ND	ND	0	29.5
SW8	11/10/2023	0-4' Comp	ND	ND	ND	ND	ND	0	32.4
BG1	11/10/2023	1'	ND	ND	ND	ND	ND	0	40.9

8-1-2024 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit #117H								
Date: 8-1-24		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	Cl mg/kg
S1	1'	ND	ND	ND	ND	ND	0	1700
	2'	ND	ND	ND	1410	1050	2460	ND
	3'	ND	ND	ND	36.9	ND	36.9	ND
	4'	ND	ND	ND	194	143	337	ND
S2	1'	ND	ND	ND	ND	ND	0	1670
	2'	ND	ND	ND	1100	876	1976	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	45.6	ND	45.6	ND



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NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit #117H								
Date: 8-1-24		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	Cl mg/kg
S3	1'	ND	ND	ND	ND	ND	0	141
	2'	ND	ND	ND	937	829	1766	ND
	3'	ND	ND	ND	37.1	ND	37.1	ND
	4'	ND	ND	ND	ND	ND	0	ND
S4	1'	ND	ND	ND	ND	ND	0	104
	2'	ND	ND	ND	923	776	1699	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
S5	1'	ND	ND	ND	ND	ND	0	150
	2'	ND	ND	ND	439	363	802	ND
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	ND
SW1	(0-4') Comp	ND	ND	ND	ND	ND	0	ND
SW2	(0-4') Comp	ND	ND	ND	ND	ND	0	ND
SW3	(0-4') Comp	ND	ND	ND	ND	ND	0	ND
SW4	(0-4') Comp	ND	ND	ND	ND	ND	0	ND
SW5	(0-4') Comp	ND	ND	ND	ND	ND	0	ND
SW6	(0-4') Comp	ND	ND	ND	ND	ND	0	ND
SW7	(0-4') Comp	ND	ND	ND	ND	ND	0	ND
SW8	(0-4') Comp	ND	ND	ND	ND	ND	0	ND
BG1	1'	ND	ND	ND	ND	ND	0	ND



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4-9-2025 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY Cotton Draw Unit #117H								
Date: 4-9-25		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	Cl mg/kg
CS1	COMP	ND	ND	ND	ND	ND	0	964
CS2	COMP	ND	ND	ND	ND	ND	0	280
CS3	COMP	ND	ND	ND	ND	ND	0	522
CSW1	COMP	ND	ND	ND	ND	ND	0	540
CSW2	COMP	ND	ND	ND	ND	ND	0	538
CSW3	COMP	ND	ND	ND	ND	ND	0	554



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DEVON ENERGY PRODUCTION, LP.

Cotton Draw Unit #153H

Devon Energy
API #30-015-38535
Eddy County, NM
NAB1911658680
Site Map

Legend

- BG1
- Horizontal Delineation Samples
- Spill Area - 856 sq ft
- Vertical Samples










Google Earth

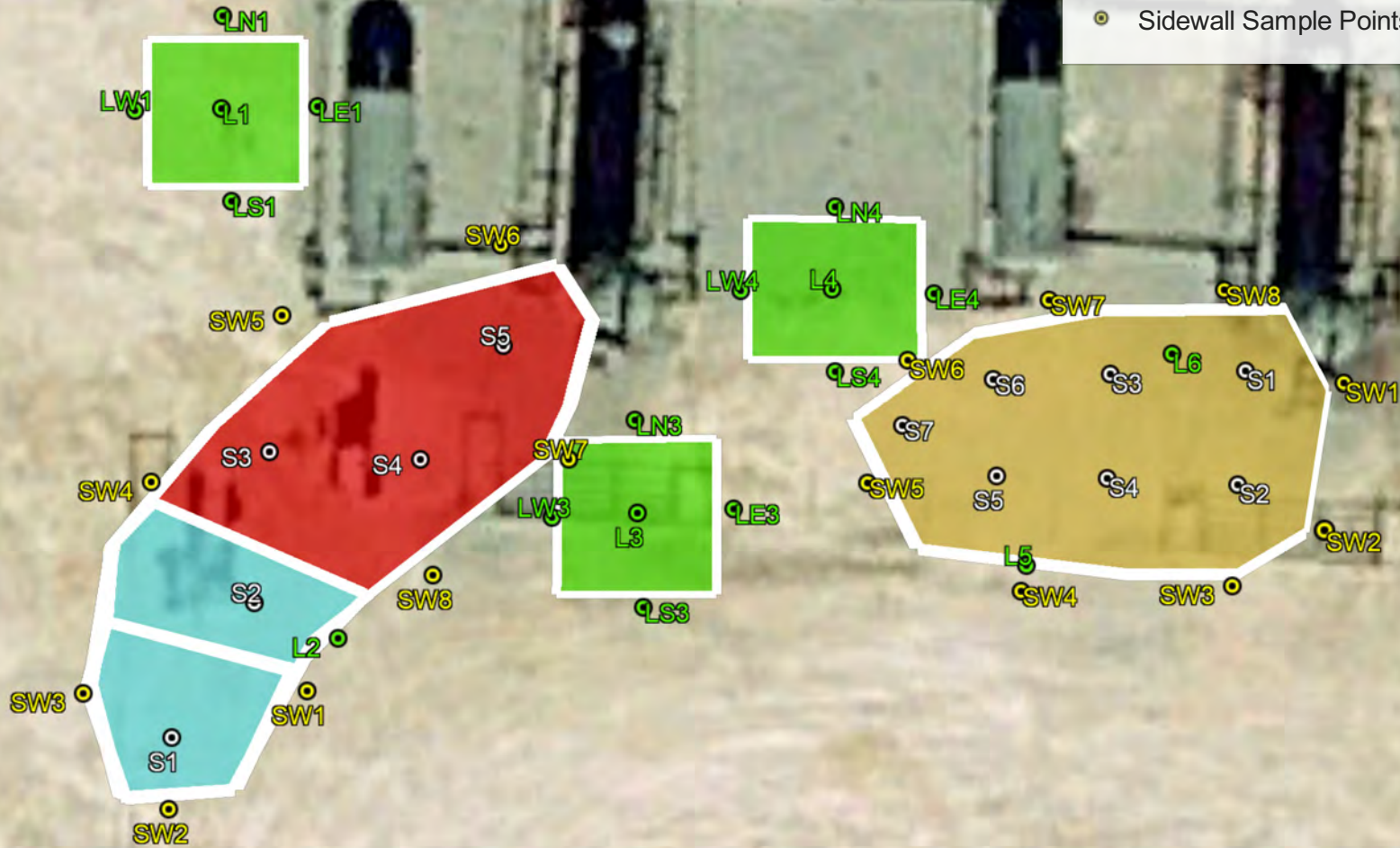
100 ft

Cotton Draw Unit #153H

Devon Energy
API# 30-015-38535
Eddy County, NM
Proposed Sampling Map

Legend

-  200 sq ft each- 600 sq ft Total
-  Bottom Sample Points 0'-4'
-  Cotton Draw Unit 117H Excavation Area
-  Cotton Draw Unit 117H Spill Area
-  Cotton Draw Unit 153 Spill Area
-  MMX Sample Point Locations 0'-4'
-  Sidewall Sample Points 0'-4'

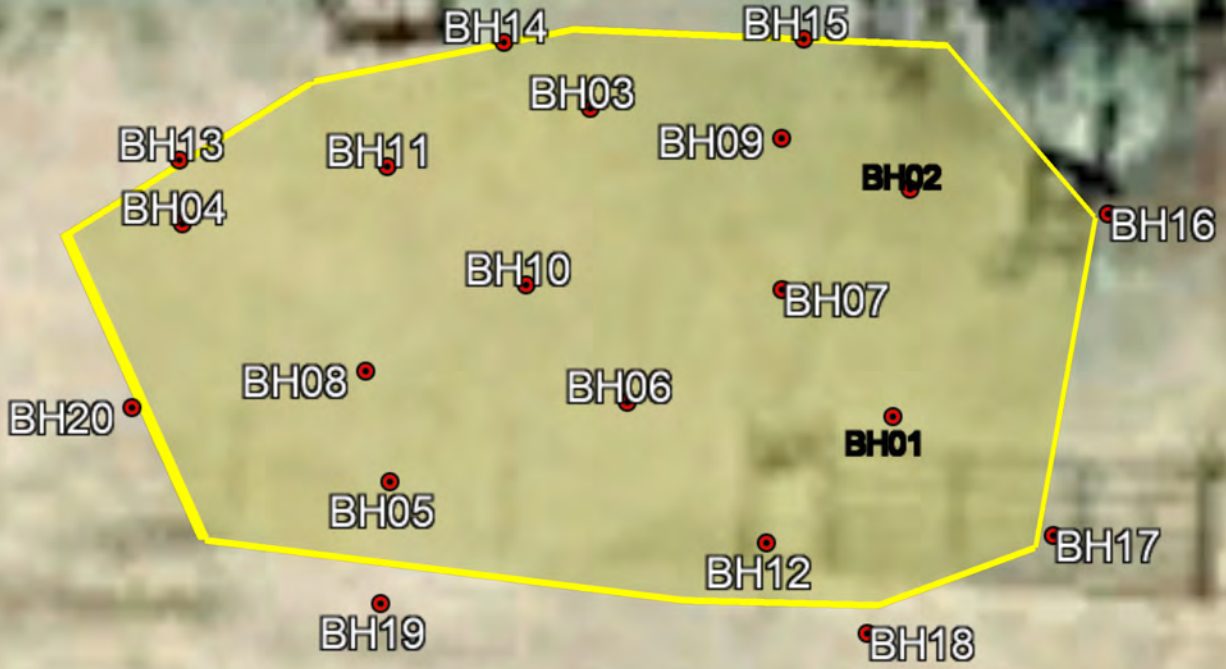


Cotton Draw Unit #153H

Devon Energy
API# 30-015-38535
Eddy County, NM
Etech Sample Map

Legend Page 32 of 760

- Sample Points
- Pima Sampling Area





N


20 ft

Cotton Draw Units


Devon Energy
AP# 30-015-38434
Eddy County, NM
Excavation Map

Legend

-  Cotton Draw Unit #117H Excavation Area
-  Cotton Draw Unit #153H Excavation Area

Cotton Draw Unit #117H 



 Cotton Draw Unit #153H

Google Earth

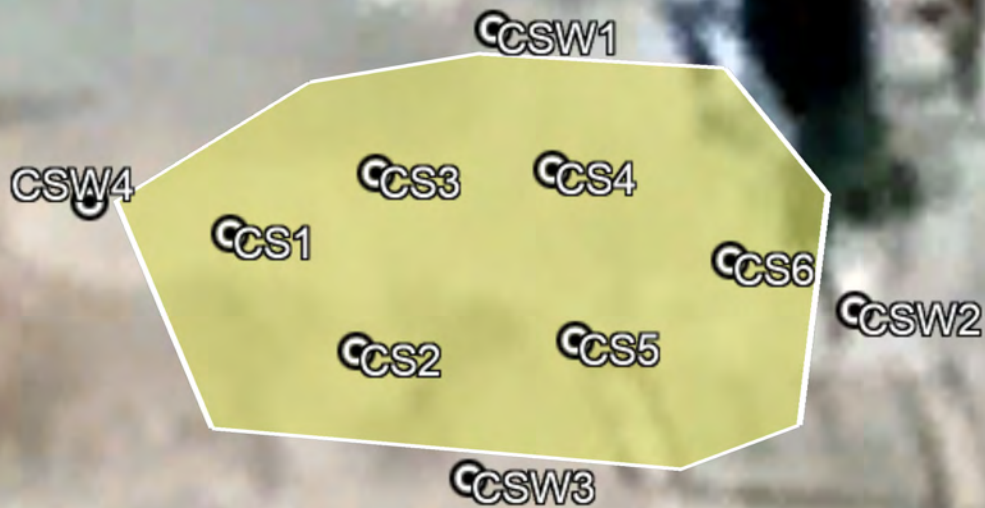


Cotton Draw Unit #153H

Devon Energy
API# 30-015-38434
Confirmation Sample Map (A)

Legend




- 5-Point Composite Samples
- ▭ Excavated Area 1,077 sq ft



Cotton Draw Unit #153H

Devon Energy
API# 30-015-38434
Confirmation Sample Map (B)

Legend

-  Additional Excavation 100 sq ft
-  5-Point Composite Sample
-  Original Excavation 1,077 sq ft



CSW3

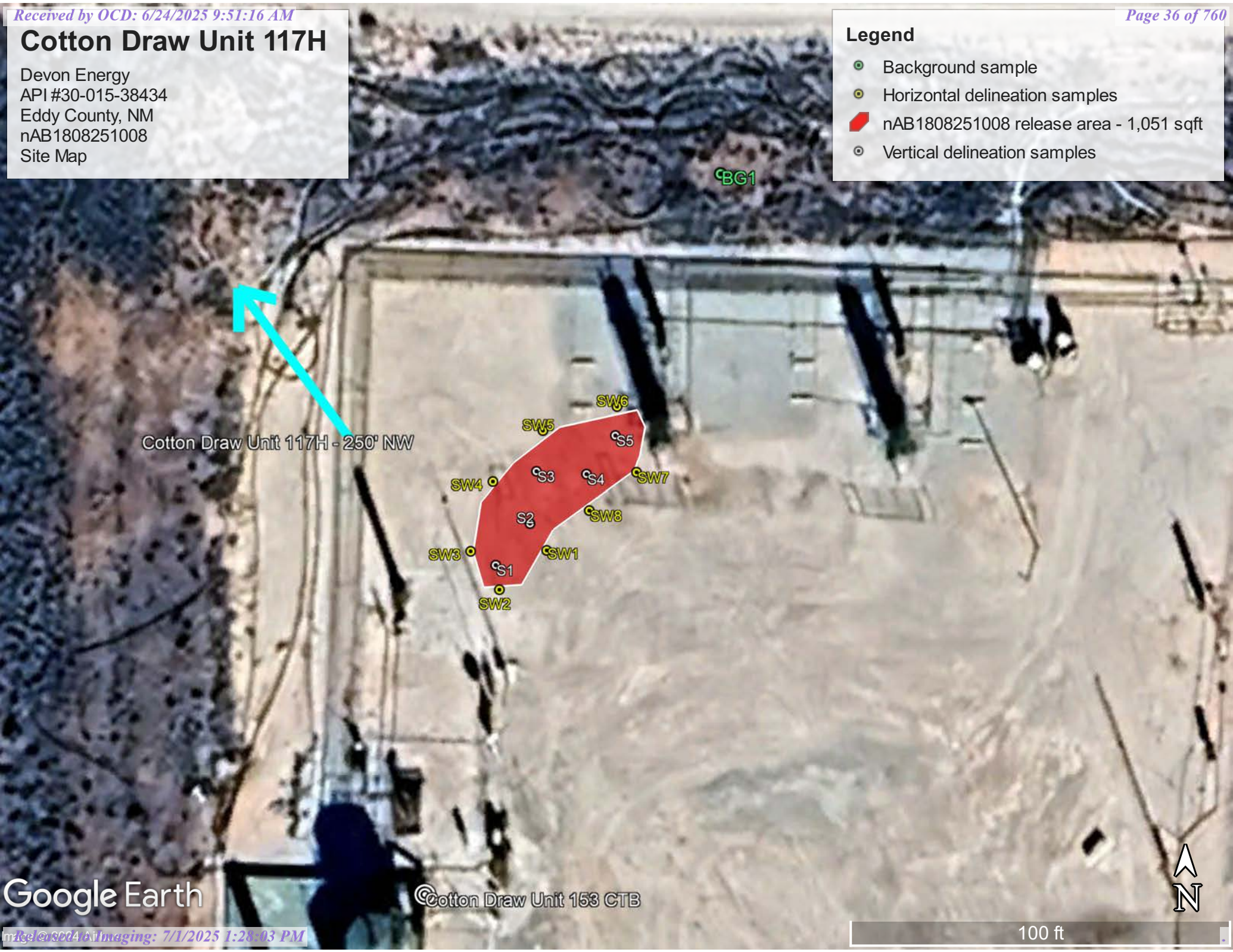


Cotton Draw Unit 117H

Devon Energy
API #30-015-38434
Eddy County, NM
nAB1808251008
Site Map

Legend

- Background sample
- Horizontal delineation samples
- nAB1808251008 release area - 1,051 sqft
- Vertical delineation samples



Cotton Draw Unit 117H - 250' NW

BG1

SW6

SW5

CS5

SW4

CS3

CS4

SW7

CS2

SW8

SW3

SW1

CS1



SW2



Cotton Draw Units

Devon Energy
AP# 30-015-38434
Eddy County, NM
Excavation Map

Legend

-  Cotton Draw Unit #117H Excavation Area
-  Cotton Draw Unit #153H Excavation Area

Cotton Draw Unit #117H



Cotton Draw Unit #153H



Google Earth



Cotton Draw Unit #117H

Devon Energy
API# 30-015-38434
Confirmation Sample Map

Page 38 of 760

Legend

- 5-Point Composite Samples
- Excavated Area 400 sq ft



APPENDIX A

OSE Water Survey

USGS Water Survey

Water Related Maps



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DEVON ENERGY PRODUCTION, LP.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_04593 POD1		CUB	ED	3	4	4	34	24S	31E	616903	3559674		377	55		
C_02574		CUB	ED	1	1	2	02	25S	31E	618092	3559494*		1544			
C_04632 POD1		CUB	ED	1	2	2	10	25S	31E	616802	3557964		1598	55		
C_02571		CUB	ED	4	1	2	02	25S	31E	618292	3559294*		1761	860		
C_04633 POD1		CUB	ED	2	1	1	35	24S	31E	617394	3561170		1834			
C_02573		CUB	ED	1	4	2	02	25S	31E	618499	3559091*		2002			
C_02572		CUB	ED	4	2	2	02	25S	31E	618695	3559294*		2160	852		
C_02569		CUB	ED	4	4	2	02	25S	31E	618699	3558891*		2247	1016		
C_03830 POD1		CUB	ED	4	2	4	02	25S	31E	618632	3558432		2361	450		
C_04479 POD1		CUB	ED	2	1	1	04	25S	31E	614182	3559400		2370	0	0	0
C_02570		CUB	ED	4	2	4	02	25S	31E	618704	3558489*		2399	895		
C_02568		CUB	ED	4	3	1	01	25S	31E	619103	3558892*		2636	1025		

Average Depth to Water: **0 feet**
 Minimum Depth: **0 feet**
 Maximum Depth: **0 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 616548.46

Northing (Y): 3559542.69

Radius: 3000

*UTM location was derived from PLSS - see Help

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

6/6/24 9:12 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)					(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04593 POD1	3	4	4	34	24S	31E	616903	3559674

Driller License: 1249	Driller Company: ATKINS ENGINEERING ASSOC. INC.	
Driller Name: JACKIE ATKINS		
Drill Start Date: 03/09/2022	Drill Finish Date: 03/10/2022	Plug Date: 03/15/2022
Log File Date: 04/04/2022	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 55 feet	Depth Water:

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.

11/30/23 4:10 PM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO.		OSE FILE NO(S). C-4593		
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838		
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 10	SECONDS 2.97	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
		LONGITUDE	103	45	36.48	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW L4 Sec 34 T24S R31E, NMPM							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 03/09/2022	DRILLING ENDED 03/10/2022	DEPTH OF COMPLETED WELL (FT) temporary well casing	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) n/a			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) dry	DATE STATIC MEASURED 03/10/22, 03/15/22		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring	--	--	--	--

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 01/28/2022)		
FILE NO.	C-4593	POD NO.	1	TRN NO.	718730
LOCATION	24S.31E.34 344		WELL TAG ID NO.	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Caliche, with medium to fine grained sand, white and Red	Y ✓ N	
	4	24	20	Sand, medium/ fine grained, poorly graded, with caliche gravel, Tan	Y ✓ N	
	24	55	31	Sand, medium/ fine grained, poorly graded, Reddish Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	<i>Jack Atkins</i> Jackie D. Atkins _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	USE DTI 0331 2022 *2.04 03/31/2022 _____ DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. <i>C-4593</i>	POD NO. <i>1</i>	TRN NO. <i>718130</i>	
LOCATION <i>245.31E.34 344</i>	WELL TAG ID NO. _____	PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 719171
File Nbr: C 04595
Well File Nbr: C 04595 POD1

Apr. 05, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

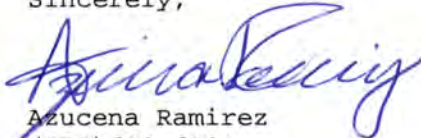
The above numbered permit was issued in your name on 02/16/2022.

The Well Record was received in this office on 04/04/2022, stating that it had been completed on 03/09/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/16/2023.

If you have any questions, please feel free to contact us.

Sincerely,


Azucena Ramirez
(575) 622-6521

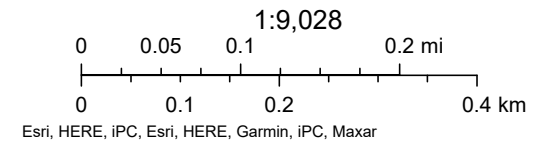
drywell

OSE POD Location Map



6/6/2024, 8:23:54 AM

- GIS WATERS PODs
- Active
 - Pending
- OSE District Boundary
- Water Right Regulations
- Artesian Planning Area
- New Mexico State Trust Lands
- Subsurface Estate





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.
- [Full News](#) 

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 320952103444401

Minimum number of levels = 1

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

USGS 320952103444401 25S.31E.02.214411

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°09'50.0", Longitude 103°44'41.2" NAD83

Land-surface elevation 3,468.0 feet above NGVD29

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

This well is completed in the Azotea Tongue of Seven Rivers Formation (313AZOT) local aquifer.

Output formats

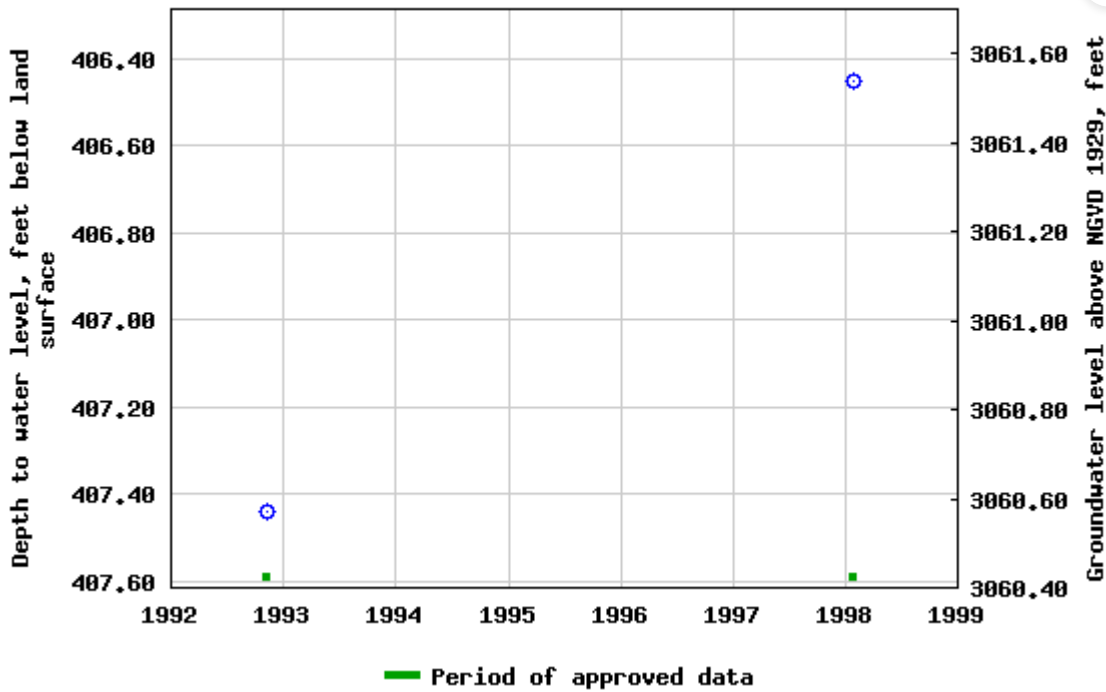
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

USGS 320952103444401 25S.31E.02.214411



Breaks in the plot represent a gap of at least one year between field measurements. [Download a presentation-quality graph](#)

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[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?>



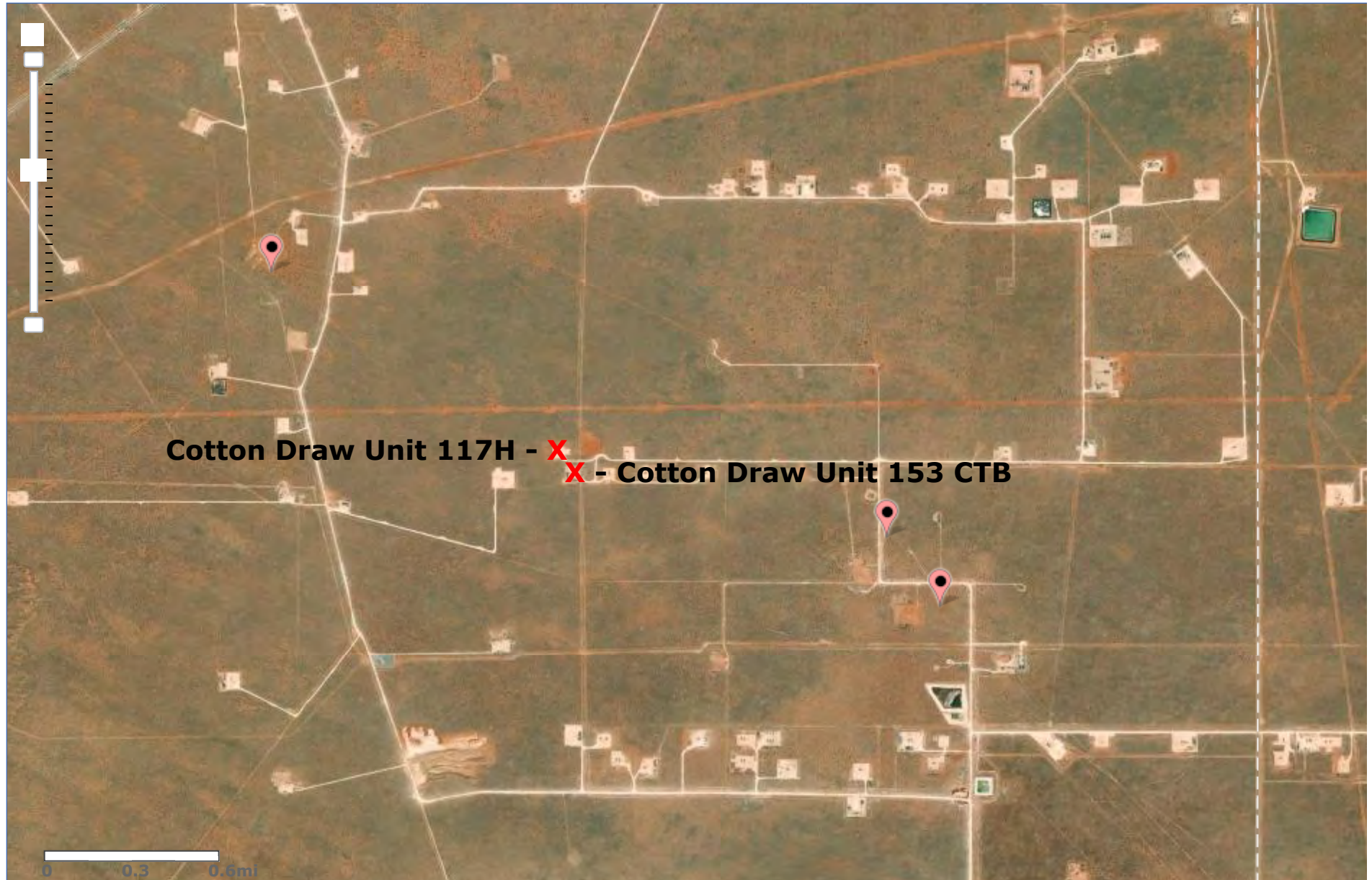
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-06-06 09:30:45 EDT

0.57 0.5 nadww01



National Water Information System: Mapper





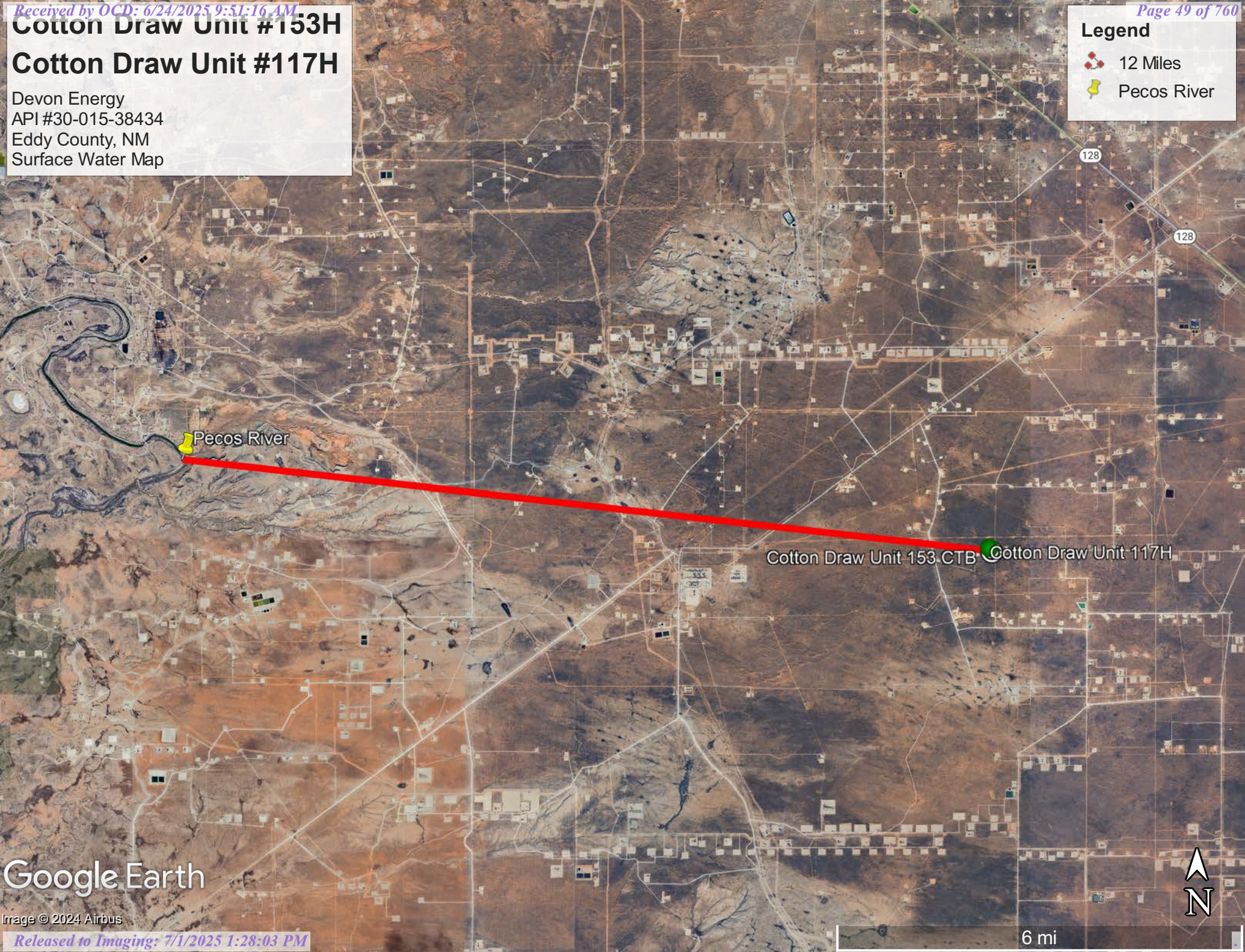
Cotton Draw Unit #153H

Cotton Draw Unit #117H

Devon Energy
API #30-015-38434
Eddy County, NM
Surface Water Map

Legend

-  12 Miles
-  Pecos River



Google Earth

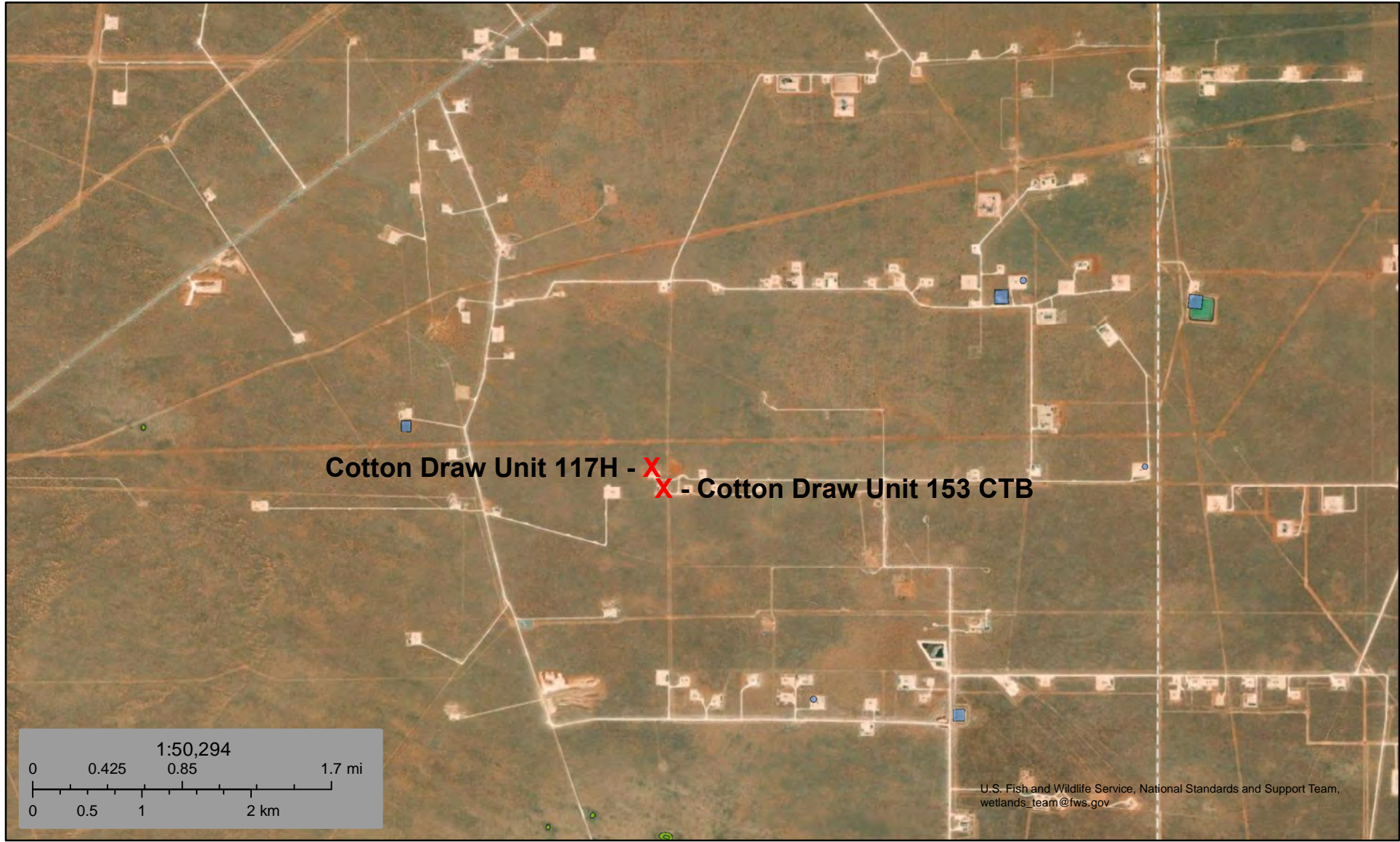
Image © 2024 Airbus



6 mi



Wetlands Map



June 6, 2024

Wetlands

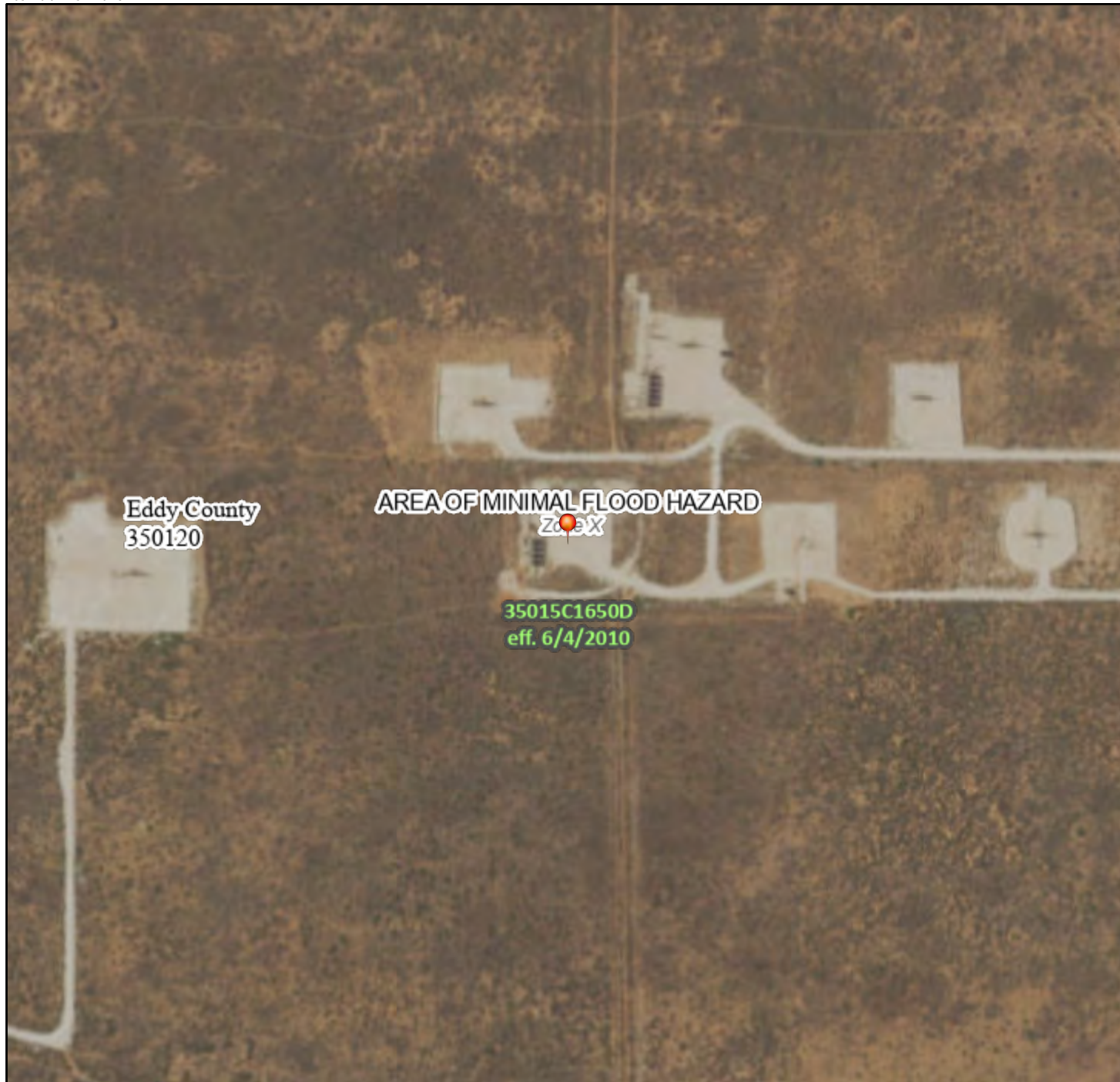
- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



103°46'8"W 32°10'13"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
MAP PANELS		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		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.



1:6,000

103°45'30"W 32°9'43"N

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 6/6/2024 at 9:34 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

APPENDIX B

Soil Survey & Geological Data

Geologic Unit Map



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

DEVON ENERGY PRODUCTION, LP.

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 5 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent

Pajarito and similar soils: 25 percent

Minor components: 15 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Wink

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 4 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Kermit

Percent of map unit: 3 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

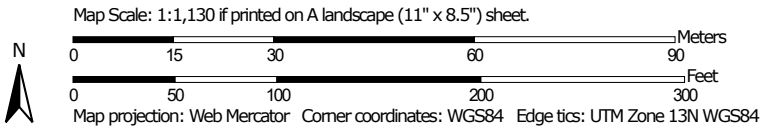
Data Source Information

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

Soil Map—Eddy Area, New Mexico




Soil Map may not be valid at this scale.




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: Feb 7, 2020—May 12, 2020




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

Soil Map—Eddy Area, New Mexico

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	5.6	100.0%
Totals for Area of Interest		5.6	100.0%

Legend

-  Eolian and piedmont deposits
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region
-  Piedmont alluvial deposits

Cotton Draw Unit #153H
Cotton Draw Unit #117H

Devon Energy
 API #30-015-38434
 Eddy County, NM
 Geologic Unit Map

Cotton Draw Unit 153 CTB  Cotton Draw Unit 117H

Google Earth

Image © 2024 Airbus



5 mi

APPENDIX C

48-Hour Notifications

NNMOCD Correspondence



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

DEVON ENERGY PRODUCTION, LP.

48-Hour Notifications NMOCD Correspondence CDU #153H



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

DEVON ENERGY PRODUCTION, LP.

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 368913

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 368913
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1911658680
Incident Name	NAB1911658680 COTTON DRAW UNIT #153H @ 30-015-38535
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-38535] COTTON DRAW UNIT #153H

Location of Release Source	
Site Name	COTTON DRAW UNIT #153H
Date Release Discovered	08/14/2018
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	856
What is the estimated number of samples that will be gathered	24
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Pima Andrew Franco 806-200-0054
Please provide any information necessary for navigation to sampling site	32.166172 -103.76725

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 368913

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 368913
	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.	7/31/2024

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 409704

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 409704
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1911658680
Incident Name	NAB1911658680 COTTON DRAW UNIT #153H @ 30-015-38535
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-38535] COTTON DRAW UNIT #153H

Location of Release Source	
Site Name	COTTON DRAW UNIT #153H
Date Release Discovered	08/14/2018
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,456
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/11/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	32.166134, -103.764013

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/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 409704

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 409704
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	12/9/2024

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 449174

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449174
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1911658680
Incident Name	NAB1911658680 COTTON DRAW UNIT #153H @ 30-015-38535
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-38535] COTTON DRAW UNIT #153H

Location of Release Source	
Site Name	COTTON DRAW UNIT #153H
Date Release Discovered	08/14/2018
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,077
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/09/2025
Time sampling will commence	11:00 AM
Please provide any information necessary for observers to contact samplers	Sampler - Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	32.166134, -103.764013

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 449174

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449174
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	4/7/2025

Sante Fe Main Office
Phone: (505) 476-3441

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

QUESTIONS

Action 457194

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 457194
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1911658680
Incident Name	NAB1911658680 COTTON DRAW UNIT #153H @ 30-015-38535
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-38535] COTTON DRAW UNIT #153H

Location of Release Source	
Site Name	COTTON DRAW UNIT #153H
Date Release Discovered	08/14/2018
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,087
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2025
Time sampling will commence	01:00 PM
Please provide any information necessary for observers to contact samplers	Sampler - Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	32.166134, -103.764013

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CONDITIONS

Action 457194

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 457194
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	4/30/2025



Delrae Pima Oil <delrae@pimaoil.com>

Variance Request Cotton Draw Unit #153H-NAB1911658680

12 messages

Delrae Pima Oil <delrae@pimaoil.com>

Tue, Nov 26, 2024 at 9:59 AM

To: ocd.enviro@emnrd.nm.gov, "Raley, Jim" <jim.ralej@dvn.com>

Good morning,

I am requesting a variance on behalf of Devon Energy on the Cotton Draw Unit #153H Incident NAB1911658680. NMOCD rejected a submitted closure report on August 24, 2024 (Application ID: 376457), stating that the 7/31/2024 (Application ID: 368913) sampling notification was submitted with the incorrect information. The sampling event date was entered as 08/02/2104 instead of 08/02/2024. OCD is requiring an updated C-141N be submitted that reflects the correct sampling date. It would be greatly appreciated if NMOCD would consider granting a variance for this mistake to avoid having to collect the samples again. Thank you for your time and consideration.

Sincerely,

DelRae Geller
Project Manager
Cell: 806-724-5391
Office: 575-964-7700



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM 88240

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Tue, Nov 26, 2024 at 2:30 PM

To: Delrae Pima Oil <delrae@pimaoil.com>

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Wells, Shelly, EMNRD" <Shelly.Wells@emnrd.nm.gov>, "Raley, Jim" <Jim.Raley@dvn.com>, "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>

DelRae,

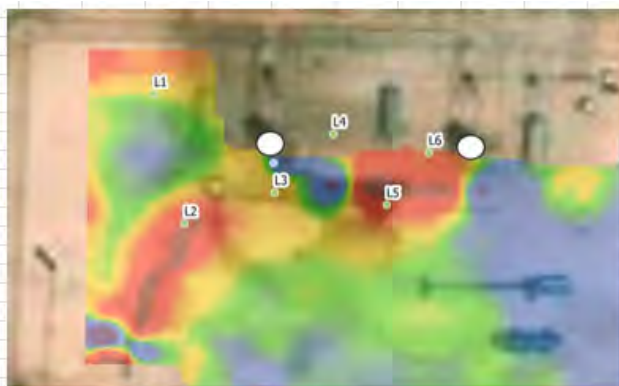
The reasons of rejection for application ID 376457 were:

1. OCD will not accept delineation samples as closure samples as they do not meet the requirements of 19.15.29.12 D. (1) NMAC which outlines the closure requirements. The samples that were submitted in the closure report were not five-point composite samples from the walls and base, and individual grab samples from any wet or discolored areas. The samples also were not composite and grab sample plan of the remediated area where each composite sample is not representative of more than 200 square feet, which can be performed without division approval. OCD did not find a division approved composite and grab sample plan that deviated from the requirements of 19.15.29 NMAC.

2. A previous report (submitted under application ID 5194) shows a larger area was impacted than what was sampled in the report submitted under application ID 376457 (see below). Additional sampling in the areas identified in application 5194 that are above the closure criteria must be collected and the contamination must be remediated.

Application ID 5194

Application 376457



Sample ID	Sample Date	Depth (feet bgs)	BTEX mg/Kg	Benzene mg/Kg	GRD mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- mg/Kg
20P- 5366 & 20P- 4672									
L1	11/1/2019	surface	<0.222	<0.028	5.4	17,000	5,800	26,808.4	<80
		2	—	—	<4.8	210	160	380	<80
L2		surface	<0.221	<0.028	11	11,000	4300	17,311	3,800
		2	—	—	<4.8	94	79	173	760
L3		surface	5.473	<0.023	5.0	11,000	11,000	22,000	18,000
		2	—	—	<4.7	<4.8	<41	<42.3	1,000
L4	surface	0.22	<0.024	15	16,000	5,800	21,816	<80	
	2	—	—	<4.0	300	140	440	<80	
L5	surface	2.31	<0.028	38	35,000	18,500	53,036	2,100	
	2	—	—	<4.0	210	130	340	200	
L6	surface	0.38	<0.024	<4.8	13,000	5,300	18,300	180	
	2	—	—	<4.8	42	<47	42	<80	

Date: 8-2-24									
NM Approved Laboratory Results									
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRD mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg	
S1	1'	ND	ND	ND	ND	ND	0	534	
	2'	ND	ND	ND	ND	ND	0	181	
	3'	ND	ND	ND	ND	ND	0	27.9	
	4'	ND	ND	ND	ND	ND	0	ND	
S2	1'	ND	ND	ND	ND	ND	0	499	
	2'	ND	ND	ND	ND	ND	0	312	
	3'	ND	ND	ND	ND	ND	0	25.4	
	4'	ND	ND	ND	ND	ND	0	ND	
S3	1'	ND	ND	ND	ND	ND	0	366	
	2'	ND	ND	ND	ND	ND	0	326	
	3'	ND	ND	ND	ND	ND	0	ND	
	4'	ND	ND	ND	ND	ND	0	ND	
S4	1'	ND	ND	ND	ND	ND	0	483	
	2'	ND	ND	ND	ND	ND	0	119	
	3'	ND	ND	ND	ND	ND	0	22.8	
	4'	ND	ND	ND	ND	ND	0	ND	
S5	1'	ND	ND	ND	ND	ND	0	457	
	2'	ND	ND	ND	ND	ND	0	259	
	3'	ND	ND	ND	ND	ND	0	ND	
	4'	ND	ND	ND	ND	ND	0	31.4	
SW1	(0-4')	ND	ND	ND	ND	ND	0	ND	
SW2	(0-4')	ND	ND	ND	ND	ND	0	ND	
SW3	(0-4')	ND	ND	ND	ND	ND	0	ND	
SW4	(0-4')	ND	ND	ND	ND	ND	0	ND	
BG1	(0-4')	ND	ND	ND	ND	ND	0	ND	

3. The rejection regarding the sampling notification was meant to draw your attention to the fact that all future C-141Ns and/or C-141Ls must include the correct information prior to submittal. The OCD requires the C-141N be resubmitted with correct information prior to submitting your report (at this time you can backdate a sampling date).

OCD will not approve the variance as additional remediation is warranted at the site and the samples submitted in application ID 376457 will not be accepted as closure samples as mentioned above.

For all future variance requests, please ensure that the request is compliant with 19.15.29.14 NMAC. Additionally, OCD will not approve variance requests that are requested after the due date has passed unless there are extenuating circumstances. A report was due for this incident on October 31, 2024.

Please let m know if you have any questions or require any clarification.

Thank you,

Brittany Hall • Environmental Specialist

Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

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From: Delrae Pima Oil <delrae@pimaoil.com>
Sent: Tuesday, November 26, 2024 10:00 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Raley, Jim <jim.ralej@dmn.com>
Subject: [EXTERNAL] Variance Request Cotton Draw Unit #153H-NAB1911658680

You don't often get email from delrae@pimaoil.com. [Learn why this is important](#)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: Tom Pima Pima Oil <tom@pimaoil.com>

Wed, Nov 27, 2024 at 9:25 AM

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>, "Raley, Jim" <jim.ralej@dmn.com>

Wed, Nov 27, 2024 at 10:57 AM

Thank you for your response. I have some additional questions in regards to how to proceed. I called and received your voicemail earlier this morning. When you get a chance, could you please give me a call?

[Quoted text hidden]

[Quoted text hidden]

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
To: Delrae Pima Oil <delrae@pimaoil.com>
Cc: "Raley, Jim" <jim.ralej@dmn.com>

Mon, Dec 2, 2024 at 7:46 AM

Good morning,

I am available today after 10 AM (MT). Please give me a call at your convenience.


[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>
Cc: "Raley, Jim" <jim.ralej@dvn.com>

Mon, Dec 2, 2024 at 9:32 AM

Okay, I sure will. Please see the attached map that I'd like your feedback on.

Thank you,
[Quoted text hidden]
[Quoted text hidden]

 **CDU #153 and #117 Comparison Map.pdf**
2648K

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
To: Delrae Pima Oil <delrae@pimaoil.com>
Cc: "Raley, Jim" <jim.ralej@dvn.com>

Tue, Dec 3, 2024 at 10:37 AM

DelRae,

I just tried to return your call regarding this incident.

Please give me a call back when you can.

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>
Cc: "Raley, Jim" <jim.ralej@dvn.com>

Tue, Dec 3, 2024 at 11:23 AM

Brittany,

Per our conversation, I will get a sampling map put together including the sample points MMX had on their closure report for your review and approval.

Thank you,

[Quoted text hidden]
[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>
Cc: "Raley, Jim" <jim.ralej@dvn.com>

Thu, Dec 5, 2024 at 7:45 AM

Good morning,

Attached is the sampling map we discussed for the Cotton Draw Unit #153H Incident NAB1911658680.

We propose to sample the Cotton Draw Unit 153H spill area and collect seven (7) bottom samples from surface, 1', 2', 3' and 4' and eight (8) sidewall samples from surface, 1', 2', 3', and 4'.

We will collect three (3) bottom samples from surface, 1', 2', 3' and 4' to determine contamination for L1, L3 and L4 MMX sample points and twelve (12) sidewall samples from surface 1', 2', 3' and 4'. We are starting with a 200 square foot area per sample point, should contamination be present, we will return to collect additional samples until the extent of the release is determined.

We have an approved work plan on the Cotton Draw Unit 117H Incident NAB18008251008 these areas are highlighted in red and turquoise on the proposed sample map. If any of the above mentioned sample points come back over the limits, we will write a remediation work plan to include remediation of these areas with the Cotton Draw Unit 117H and will remediate all areas at the same time. Should these samples come back under the limits, we are requesting a variance to use these samples as confirmation samples.

I appreciate your consideration and your time regarding this matter.

Thank you,

[Quoted text hidden]

[Quoted text hidden]

 **Proposed Sampling Map-CDU #153H.pdf**
2811K

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov> Thu, Dec 5, 2024 at 11:54 AM
To: Delrae Pima Oil <delrae@pimaoil.com>
Cc: "Raley, Jim" <jim.ralej@dvn.com>, "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>

Delrae,

I have forwarded this sampling plan to Nelson Velez (cc'ed on this email as well) for review.

I am currently unable to review it in a timely manner and have asked Nelson for assistance. I will give him some background information regarding our telephone conversation, so he is in the loop.

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com> Thu, Dec 5, 2024 at 12:15 PM
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>
Cc: "Raley, Jim" <jim.ralej@dvn.com>, "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>

Thank you, Brittany. I appreciate all your help in this matter.

[Quoted text hidden]

[Quoted text hidden]

Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov> Thu, Dec 5, 2024 at 2:46 PM
To: Delrae Pima Oil <delrae@pimaoil.com>, "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>
Cc: "Raley, Jim" <jim.ralej@dvn.com>

Good afternoon Delrae,

Your variance request toward an alternative sampling plan per 19.15.29.12D (1b) NMAC as written below to use individual grab as confirmation samples as long as any of the sample points collected are under the allowable concentrations of the closure standards is approved. Sampling notification still applies for this plan. Reclamation standards will be used once the site has been plugged and abandoned.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Delrae Pima Oil <delrae@pimaoil.com>
Sent: Thursday, December 5, 2024 12:15 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Raley, Jim <jim.ralej@dm.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: Re: [EXTERNAL] Variance Request Cotton Draw Unit #153H-NAB1911658680

[Quoted text hidden]



Delrae Pima Oil <delrae@pimaoil.com>

Cotton Draw Unit #153H (Incident#NAB1911658680)

18 messages

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov> Mon, Jan 6, 2025 at 2:02 PM
To: "Raley, Jim" <Jim.Raley@dmv.com>, Delrae Pima Oil <delrae@pimaoil.com>
Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>

Mr. Raley and Ms. Geller,

I am reviewing the remediation plan that was submitted for the above referenced incident number that was submitted under application ID 414187.

Samples S1 through S5 collected 8/2/2024 returned TPH results of non-detect. After the sampling plan was submitted and approved, those same sampling locations plus the two additional sampling locations (S6 and S7) collected on 12/11/2024 returned results for TPH that are vastly different. Additionally, the chloride sample results are not correlating with each other in the two different sampling events.

Can you please provide an explanation of the discrepancies?

A copy of the response will be uploaded to the application.

Thank you,

Brittany Hall • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

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Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Fri, Jan 17, 2025 at 2:55 PM

To: "Raley, Jim" <Jim.Raley@dmv.com>, Delrae Pima Oil <delrae@pimaoil.com>

Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>

Good afternoon,

Can I get an update on the requested information (please see below).

Thank you,

Brittany Hall • Environmental Specialist

Environmental Bureau Projects Group

EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110

505.517.5333 | Brittany.Hall@emnrd.nm.gov

<http://www.emnrd.nm.gov/ocd/>

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Delrae Pima Oil <delrae@pimaoil.com>

Mon, Jan 20, 2025 at 7:40 AM

To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>

Cc: "Raley, Jim" <Jim.Raley@dmv.com>, "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>

Good morning,

Mr. Raley is working on a response to send over to you ASAP.

Thank you,

DelRae Geller

Project Manager

Cell: 806-724-5391

Office: 575-964-7700



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM 88240

[Quoted text hidden]

Raley, Jim <Jim.Raley@dvn.com> Mon, Jan 20, 2025 at 2:08 PM
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>, Delrae Pima Oil <delrae@pimaoil.com>
Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason" <Jason.Robison@dvn.com>

Brittany,

After reviewing the sampling data, speaking with Ms. Geller, and personally visiting the site, I am uncertain as to why sampling has different results.

To ensure the data is correct we will have a separate third-party environmental company sample that spill area again. I will then follow-up to this email with the results to ensure we have the correct data for you to evaluate the proposed remediation workplan.

Would our recommended next step satisfy NMOCD's concerns?

Jim Raley | Environmental Professional - Permian Basin

5315 Buena Vista Dr., Carlsbad, NM 88220

C: (575)689-7597 | jim.raley@dvn.com



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Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov> Tue, Jan 21, 2025 at 7:31 AM
To: "Raley, Jim" <Jim.Raley@dvn.com>, Delrae Pima Oil <delrae@pimaoil.com>
Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason"

<Jason.Robison@dvn.com>

Good morning Jim,

Can you, or the separate environmental contractor who will be performing the additional sampling, provide sampling procedures and the locations of where the sampling will occur?

Please provide the analytical results, a site map (including the sampling locations, depths, etc.), and photos of the sampling taking place.

Thank you,

Brittany Hall • Environmental Specialist

Environmental Bureau Projects Group

EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110

505.517.5333 | Brittany.Hall@emnrd.nm.gov

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[Quoted text hidden]

Raley, Jim <Jim.Raley@dvn.com>

Tue, Jan 21, 2025 at 7:34 AM

To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>, Delrae Pima Oil <delrae@pimaoil.com>

Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason" <Jason.Robison@dvn.com>

Brittany,

Yes. We will reply back with the sampling procedures and proposed locations.

[Quoted text hidden]

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Tue, Jan 21, 2025 at 7:44 AM

To: "Raley, Jim" <Jim.Raley@dvn.com>, Delrae Pima Oil <delrae@pimaoil.com>

Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason" <Jason.Robison@dvn.com>

Jim,

Thank you. I will keep an eye out for that email.

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>

Wed, Jan 22, 2025 at 2:48 PM

To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>, "Raley, Jim" <jim.ralej@divn.com>

Hello Brittany,

The Cotton Draw Unit #153H requires a report be turned in by 1/31/2025. Mr. Raley is in the process of having the above-mentioned additional samples collected. May we please get an extension granted to allow us more time to gather and include those results in a new remediation work plan?

We are also requesting an extension on the Cotton Draw Unit #117H- NAB1808251008. This incident also requires a closure report to be turned in by 1/31/2025. The OCD requested that these two incidents be handled simultaneously as they are located on the same site. We are waiting for approval of a remediation work plan on the Cotton Draw Unit #153H so we can clean both incidents and submit a combined closure report as requested.

I appreciate your time and help in this matter.

Thank you,

DelRae Geller
Project Manager
Cell: 806-724-5391
Office: 575-964-7700



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM 88240

[Quoted text hidden]

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Wed, Jan 22, 2025 at 3:04 PM

To: Delrae Pima Oil <delrae@pimaoil.com>, "Raley, Jim" <jim.ralej@divn.com>

Delrae,

How long of an extension are you requesting for the two incident numbers?

Thank you,

Brittany Hall • Environmental Specialist

Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under "2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS".

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>
Cc: "Raley, Jim" <jim.ralej@dvn.com>

Wed, Jan 22, 2025 at 3:21 PM

Brittany,

I'm hoping 60 days would be sufficient to collect additional samples, receive the laboratory report, draft and submit a new remediation work plan, get it approved by OCD, remediate both incidents, and draft and submit a combined closure report.

[Quoted text hidden]
[Quoted text hidden]

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
To: Delrae Pima Oil <delrae@pimaoil.com>
Cc: "Raley, Jim" <jim.ralej@dvn.com>

Thu, Jan 23, 2025 at 7:12 AM

Delrae,

The 60-day extensions for NAB1911658680 and NAB1808251008 are approved. The new due date for both incidents is March 28, 2025.

Please include a copy of this email chain in the next submittals for both incident numbers.

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>
Cc: "Raley, Jim" <jim.ralej@dvn.com>

Thu, Jan 23, 2025 at 8:22 AM

Great, thank you so much.

[Quoted text hidden]


[Quoted text hidden]

Raley, Jim <Jim.Raley@dvn.com> Mon, Jan 27, 2025 at 6:05 AM
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>, Delrae Pima Oil <delrae@pimaoil.com>
Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason" <Jason.Robison@dvn.com>

Brittany,

Please find attached sampling plan for incident NAB1911658680.

[Quoted text hidden]

 **Soil Sampling Plan and Procedure_Cotton Draw Unit #153H.pdf**
23907K

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov> Mon, Jan 27, 2025 at 12:00 PM
To: "Raley, Jim" <Jim.Raley@dvn.com>, Delrae Pima Oil <delrae@pimaoil.com>
Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason" <Jason.Robison@dvn.com>

Jim,

The soil sampling plan and procedure is conditionally approved.

The area of concern must be fully delineated, both horizontally and vertically. Additional sample points may need to be added to fully delineate the release.

Proposed sampling locations should be collected as close as possible to the original borehole locations identified in the 8/2/2024 and 12/11/2024 sampling events as these sampling events returned results drastically different from one another. The 8/2/2024 sampling event indicated that there was no contamination found above the closure criteria but the 12/11/2024 sampling event indicated that there was contamination above the closure criteria.

Be advised that OCD does not accept site assessment/delineation soil samples as closure samples. If delineation/site assessment samples return results below the closure criteria are to be proposed to be used as closure samples, a variance request must be submitted with the remediation closure report as a request for acceptance of using delineation grab samples as closure samples was not specified in the sampling plan. Any variance request must include a detailed statement explaining the need for a variance; and a detailed written demonstration that the variance will provide equal or better protection of fresh water, public health and the environment pursuant to 19.15.29.14 A. (1) and (2) NMAC. The variance must also include a statement as to why the results of the samples collected on 12/11/2024 should not be considered as accurate data and the release should be closed.

When the C-141N is submitted, please send me a notification via email that the C-141N has been submitted.

Alternatively, Devon can choose to remediate the area and collect closure confirmation samples and submit a remediation closure report.

Please include a copy of this email chain and the Sampling Plan and Procedures in the next submittal.

[Quoted text hidden]

 **Soil Sampling Plan and Procedure_Cotton Draw Unit #153H.pdf**
23907K

Raley, Jim <Jim.Raley@dvn.com>

Wed, Feb 19, 2025 at 1:54 PM

To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>, Delrae Pima Oil <delrae@pimaoil.com>

Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason" <Jason.Robison@dvn.com>, NM TX Geo Group <NMTXGeoGroup@etechenv.com>

Brittany,

Attached is the follow up samples and sampling notifications for Cotton Draw Unit #153H (Incident#NAB1911658680). These samples were collected by E-Tech.

In reviewing your email for this response I see you had requested I email you separately when the sampling notifications were submitted to OCD, I overlooked this and apologize. Please let me know if you would like anything further in regards to this incident.

[Quoted text hidden]

----- Forwarded message -----

From: "OCDOnline@state.nm.us" <OCDOnline@state.nm.us>

To: "Raley, Jim" <Jim.Raley@dvn.com>

Cc:

Bcc:

Date: Fri, 31 Jan 2025 23:04:18 +0000

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 427268

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1911658680.

The sampling event is expected to take place:

When: 02/05/2025 @ 07:00

Where: B-03-25S-31E 0 FNL 0 FEL (32.166134,-103.764013)

Additional Information: Please contact Erick Herrera at 432-305-6416 with any questions.

Additional Instructions: From the intersection of Buck Jackson Rd and Buckthorn Rd head Southeast on Buckhorn Rd for approximately 3.2mi, turn left for 0.6 mi, turn left for 1.2 mi, turn left for 200ft to reach the Cotton Draw Unit #153H (32.166134, -103.764013).

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

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

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

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

----- Forwarded message -----

From: "OCDOnline@state.nm.us" <OCDOnline@state.nm.us>

To: "Raley, Jim" <Jim.Raley@dvn.com>

Cc:

Bcc:

Date: Fri, 31 Jan 2025 23:07:01 +0000

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 427269

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1911658680.

The sampling event is expected to take place:

When: 02/06/2025 @ 07:00

Where: B-03-25S-31E 0 FNL 0 FEL (32.166134,-103.764013)

Additional Information: Please contact Erick Herrera at 432-305-6416 with any questions.

Additional Instructions: From the intersection of Buck Jackson Rd and Buckthorn Rd head Southeast on Buckhorn Rd for approximately 3.2mi, turn left for 0.6 mi, turn left for 1.2 mi, turn left for 200ft to reach the Cotton Draw Unit #153H (32.166134, -103.764013).

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

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

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

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

----- Forwarded message -----

From: "OCDOnline@state.nm.us" <OCDOnline@state.nm.us>

To: "Raley, Jim" <Jim.Raley@dvn.com>

Cc:

Bcc:

Date: Fri, 31 Jan 2025 23:09:59 +0000

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 427270

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1911658680.

The sampling event is expected to take place:

When: 02/07/2025 @ 07:00

Where: B-03-25S-31E 0 FNL 0 FEL (32.166134,-103.764013)

Additional Information: Please contact Erick Herrera at 432-305-6416 with any questions.

Additional Instructions: From the intersection of Buck Jackson Rd and Buckthorn Rd head Southeast on Buckhorn Rd for approximately 3.2mi, turn left for 0.6 mi, turn left for 1.2 mi, turn left for 200ft to reach the Cotton Draw Unit #153H (32.166134, -103.764013).

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

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

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

New Mexico Energy, Minerals and Natural Resources Department


1220 South St. Francis Drive


Santa Fe, NM 87505


5 attachments

 **Figure 2 - Delineation_v2.pdf**
723K

 **Table 1_Soil Sample Laboratory Analytical Results_Cotton Draw Unit #153.pdf**
740K

 **[EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 427268.eml**
19K

 **[EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 427269.eml**
19K

 **[EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 427270.eml**
19K

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Fri, Feb 21, 2025 at 11:37 AM

To: "Raley, Jim" <Jim.Raley@dvn.com>, Delrae Pima Oil <delrae@pimaoil.com>

Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason" <Jason.Robison@dvn.com>, NM TX Geo Group <NMTXGeoGroup@etechenv.com>

Jim,

The attached set of sampling results again shows a discrepancy between the previous sampling results and does not explain how or why the soil sampling results have been so variable over a relatively short timeframe.

During Pima's 8/2/2024 sampling event, all TPH and BTEX results were non-detect and the chlorides ranged from non-detect to 534 mg/kg for S1 through S5 and SW1 and SW4.

During Pima's 12/11/2024 sampling event of the same release footprint, TPH results were drastically different ranging from non-detect to 5,170 mg/kg.

During Etech's sampling event, the footprint of the "area of concern" measures approximately 1,077 square feet, which is approximately 220 square feet larger than the reported square footage (856 square feet) on the C-141 submitted under application ID: 414187. Etech also collected more samples which returned drastically different results than what were reported in both of Pima's sampling events. The results for the samples that were collected by Etech at 1 foot below ground surface were below laboratory detection limit detection limits in all boreholes, but Pima's samples collected on 12/11/2024 at 1 foot below ground surface returned TPH results ranging from 3,750 mg/kg to 5,170 mg/kg.

Can you please explain the following:

1. How is Devon choosing which sample event to utilize for this incident? Please include the justification of choosing.

2. Explain why the analytical results from 3 separate sampling events not correlate with each other?
3. Why is Etech's mapped "area of concern" larger than what Pima and Devon have reported in the past?
4. What was the justification for Etech collecting more samples than what were collected previously?
5. What are Devon's next steps to advance NAB1911658680 to remediation closure? Application ID: 414187 is still pending my review.

Please do not hesitate to reach out if you have any questions or require any additional information.

[Quoted text hidden]

Raley, Jim <Jim.Raley@dvn.com>

Tue, Mar 11, 2025 at 12:43 PM

To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>, Delrae Pima Oil <delrae@pimaoil.com>

Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason" <Jason.Robison@dvn.com>, NM TX Geo Group <NMTXGeoGroup@etechenv.com>

Brittany,

Apologize for any delay. Below are my replies to your questions.

1. How is Devon choosing which sample event to utilize for this incident? Please include the justification of choosing.

Devon is choosing to use both the second round of PIMA soil samples and the most recent Etech soil samples to drive remediation for this Incident. The PIMA soil samples will drive vertical advancement of the excavation, while Etech soil samples will drive the horizontal extent. Ultimately, confirmation soil samples from the excavation floor and sidewalls will be the final driver vertically and horizontally. Even though Devon doesn't fully understand why the PIMA samples exhibited much higher TPH concentrations, Devon recognizes and respects the laboratory analytical results and effectively wants to remove said concentrations. The Etech soil samples will be used for the initial horizontal extent of the excavation, because they are the most recent collected soil samples.

2. Explain why the analytical results from 3 separate sampling events not correlate with each other?

Devon recognizes the discrepancies between the 8/2/2024 and 12/11/2024 PIMA data sets and the 12/11/2024 PIMA data set and the Etech data set. Devon believes that the apparent 12/11/2024 PIMA data set anomaly may have been human error contributed to soil samples being mixed up with another Cotton Draw site due to the similar nomenclature used and incorrect COC procedures as denoted on the Sample Receipt Checklist for 12/11/2024 soil samples. The Sample Receipt Checklist for 8/2/2024 PIMA soil samples also denoted an "incomplete" COC. The soil sample concentrations of the 8/2/2024 PIMA soil samples and the Etech soil samples are similar and such minor discrepancies may be due to the fact that discrete samples/delineation samples are specific to that location and depth. Even though Etech attempted to collect soil samples as close as possible to all of the previous locations, some variability is to be expected (concerning the first round of PIMA samples and Etech soil samples). I.e. Soil samples are collected and placed in a plastic bag, a soil aliquot is removed from the bag and then packaged into a pre-cleaned lab-provided glass jar, and then at least one other soil aliquot is then taken from the jar and then analyzed by the lab.

3. Why is Etech's mapped "area of concern" larger than what Pima and Devon have reported in the past?

The Area of Concern (AOC) provided by Etech was an estimate based on PIMA's figures. Etech tried to match the area as best as possible given identifiable markings on the figure imagery but erred on the side of caution for the purpose of investigation.

4. What was the justification for Etech collecting more samples than what were collected previously?

Etech conducted delineation soil sampling at all of the previous sampling locations and added additional delineation locations to fill in the "gaps" to better understand concentrations of chloride, TPH, and BTEX in the soils throughout the AOC. Additional data helps outline a more secure Scope of Work (SOW) for potential future remediation.

5. What are Devon's next steps to advance NAB1911658680 to remediation closure? Application ID: 414187 is still pending my review.

As outlined above, Devon proposes to excavate the AOC, as defined by Etech, up to 4 feet below ground surface or as further determined by excavation confirmation soil sampling laboratory analytical results. Upon receipt of confirmation that residual impacts have been excavated from the Site, Devon will backfill the excavation with "clean" soil as confirmed by laboratory analytical results and prepare a Closure Request Report and/or Reclamation Report, as appropriate. Devon believes these measures will be protective of human health and the environment, and requests approval from the NMOC to proceed as proposed.

Appreciate you working with Devon to resolve this issue.

[Quoted text hidden]

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Thu, Mar 13, 2025 at 1:19 PM

To: "Raley, Jim" <Jim.Raley@dvn.com>, Delrae Pima Oil <delrae@pimaoil.com>

Cc: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Romero, Rosa, EMNRD" <RosaM.Romero@emnrd.nm.gov>, "Decker, Lisa" <Lisa.Decker@dvn.com>, "Robison, Jason" <Jason.Robison@dvn.com>, NM TX Geo Group <NMTXGeoGroup@etechenv.com>

Thank you for the response, Jim.

I will add copies of our email correspondence and Etech's sampling results to the open application for the remediation plan (application ID: 414187).

I will send any additional correspondence via either conditions of approval or reasons of rejection through the OCD Permitting website.

[Quoted text hidden]



Delrae Pima Oil <delrae@pimaoil.com>

Cotton Draw Unit #153H-NAB1911658680

2 messages

Delrae Pima Oil <delrae@pimaoil.com> Mon, Apr 7, 2025 at 10:17 AM
To: "Smith, Cory, EMNRD" <cory.smith@emnrd.nm.gov>, "Raley, Jim" <jim.ralej@dv.com>

Good morning Cory,

Brittany Hall reviewed and approved the Remediation Work Plan for the above incident, with the condition that someone from the NMOCD be present when the confirmation samples are collected. We have completed the excavation, and plan to collect confirmation samples on Wednesday 4/9/2025 at 11:00 a.m. Please let me know if this date and time doesn't work, and we can reschedule.

DelRae Geller
Project Manager
Cell: 806-724-5391
Office: 575-964-7700



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM 88240

Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov> Mon, Apr 7, 2025 at 4:02 PM
To: Delrae Pima Oil <delrae@pimaoil.com>, "Raley, Jim" <jim.ralej@dv.com>
Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Hamlet, Robert, EMNRD" <Robert.Hamlet@emnrd.nm.gov>

Delrae,

Wednesday 4/9/2025 at 11:00 a.m sampling at the Cotton Draw Unit #153H works for the OCD.

Please let us know as soon as possible if the Date or time needs to be changed.

Cory Smith • Environmental Projects Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland Avenue N.E Suite 100 | Albuquerque, NM 87113
505.419.2687 | Cory.Smith@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>

From: Delrae Pima Oil <delrae@pimaoil.com>
Sent: Monday, April 7, 2025 10:18 AM
To: Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Raley, Jim <jim.ralej@dm.com>
Subject: [EXTERNAL] Cotton Draw Unit #153H-NAB1911658680

You don't often get email from delrae@pimaoil.com. [Learn why this is important](#)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Cory,

Brittany Hall reviewed and approved the Remediation Work Plan for the above incident, with the condition that someone from the NMOCD be present when the confirmation samples are collected. We have completed the excavation, and plan to collect confirmation samples on Wednesday 4/9/2025 at 11:00 a.m. Please let me know if this date and time doesn't work, and we can reschedule.

DeIRae Geller
Project Manager
Cell: 806-724-5391
Office: 575-964-7700

[Quoted text hidden]

48-Hour Notifications NMOCD Correspondence CDU #117H



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

DEVON ENERGY PRODUCTION, LP.

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 368267

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 368267
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1808251008
Incident Name	NAB1808251008 COTTON DRAW UNIT #117H @ 30-015-38434
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-38434] COTTON DRAW UNIT #117H

Location of Release Source

Site Name	COTTON DRAW UNIT #117H
Date Release Discovered	03/11/2018
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	1,050
What is the estimated number of samples that will be gathered	32
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/01/2024
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	32.1671715, -103.7645721

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 368267

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 368267
	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.	7/30/2024

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 449198

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449198
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1808251008
Incident Name	NAB1808251008 COTTON DRAW UNIT #117H @ 30-015-38434
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-38434] COTTON DRAW UNIT #117H

Location of Release Source	
Site Name	COTTON DRAW UNIT #117H
Date Release Discovered	03/11/2018
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/09/2025
Time sampling will commence	11:00 AM
Please provide any information necessary for observers to contact samplers	Sampler - Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	32.1671715, -103.764013

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 449198

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449198
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	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.	4/7/2025



Delrae Pima Oil <delrae@pimaoil.com>

Request for Extension

3 messages

Delrae Pima Oil <delrae@pimaoil.com> Mon, Mar 24, 2025 at 1:39 PM
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>, Jim Raley <jim.ralej@dv.n.com>

Good afternoon,

I am requesting an extension until 6/13/2025 on the Cotton Draw Unit #117H incident number NAB1808251008. The remediation on this site has been on hold until the Remediation Work Plan was approved for the Cotton Draw Unit #153H incident number NAB1911658680. You recently approved that work plan, and we are going to be remediating both incidents simultaneously, and submitted a combined closure report for both, per the NMOCD's request.

Thank you,

DelRae Geller
Project Manager
Cell: 806-724-5391
Office: 575-964-7700



Pima Environmental Services, LLC.
5614 N Lovington Hwy.
Hobbs, NM 88240

Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov> Mon, Mar 24, 2025 at 3:27 PM
To: Delrae Pima Oil <delrae@pimaoil.com>, Jim Raley <jim.ralej@dv.n.com>

Delrae,

The extension request for NAB1808251008 until 6/13/2025 is approved. Please be advised that this will be the last extension request approved for this site.

Please include a copy of this email correspondence with the next submittal.

Thank you,

Brittany Hall • Environmental Specialist

Environmental Bureau Projects Group

EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110

505.517.5333 | Brittany.Hall@emnrd.nm.gov

<http://www.emnrd.nm.gov/ocd/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under "2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS".

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Delrae Pima Oil <delrae@pimaoil.com>
Sent: Monday, March 24, 2025 1:39 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Jim Raley <jim.raley@dvn.com>
Subject: [EXTERNAL] Request for Extension

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

[Quoted text hidden]

Delrae Pima Oil <delrae@pimaoil.com>
To: "Hall, Brittany, EMNRD" <Brittany.Hall@emnrd.nm.gov>

Tue, Mar 25, 2025 at 10:46 AM

I'll be sure to do that. Thank you, Brittany.

[Quoted text hidden]

[Quoted text hidden]

APPENDIX D

Photographic Documentation



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

DEVON ENERGY PRODUCTION, LP.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #153H

Assessment :



Site Information Sign.



Photograph taken during assessment facing west.



Photograph taken during assessment facing south.



Photograph taken during assessment facing east.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #153H

Pre- Excavation :



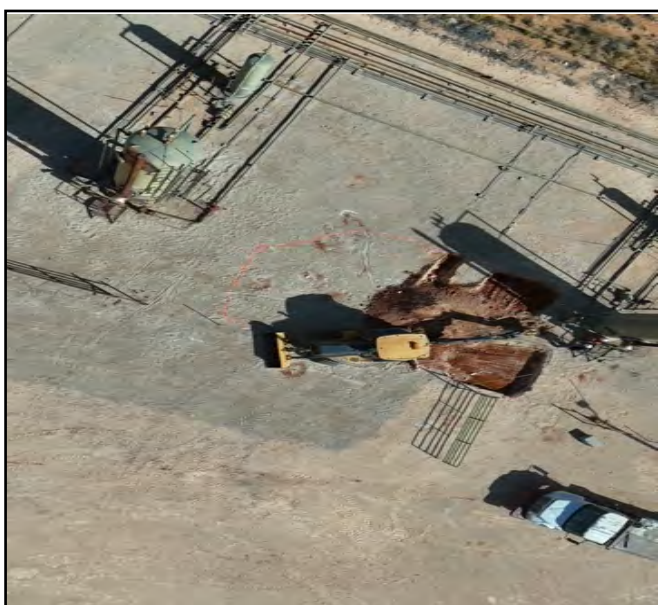
Photograph of site tech showing location prior to excavation facing east.



Photograph of site tech showing location prior to excavation facing west.



Photograph of site tech showing location prior to excavation facing west.



Photograph of site tech showing location prior to excavation.



PHOTOGRAPHIC DOCUMENTATION

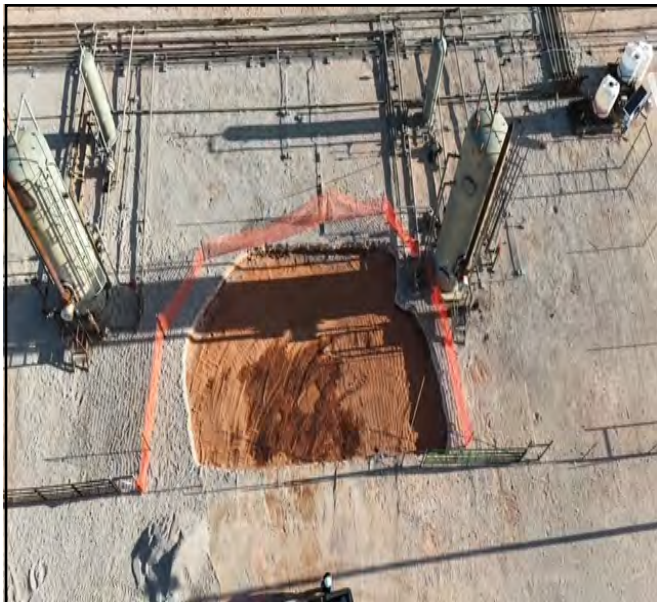
SITE NAME: Cotton Draw Unit #153H

Excavation :



Photograph taken during excavation facing northwest.

Photograph taken during excavation facing northwest.



Photograph taken during excavation.

Photograph taken during excavation.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #153H

Backfill Photo :



Photograph of clean backfill material facing east.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #153H

Confirmation Samples :



Photograph taken while collecting confirmation samples facing northeast.



Photograph taken while collecting confirmation samples facing east.



Photograph taken while collecting confirmation samples facing south.



Photograph taken while collecting confirmation samples facing north.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #153H

Post Excavation :



Photo taken post excavation facing east.

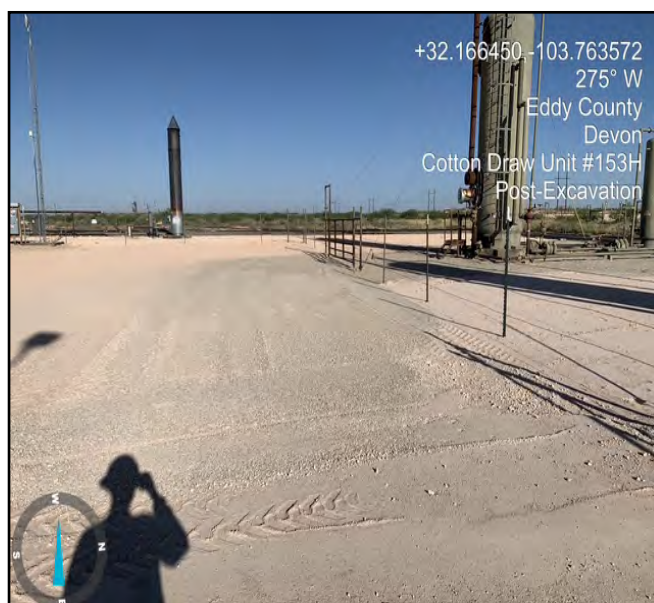


Photo taken post excavation facing west.



Photo taken post excavation facing southeast.



Photo taken post excavation facing south.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #117H

Site Assessment :



Site information sign



Photograph taken during site assessment



Photograph taken during site assessment



Photograph taken during site assessment



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #117H

Pre- Excavation :



Photograph of site tech showing location prior to excavation, facing north.



Photograph of site tech showing location prior to excavation, facing south.



Photograph of site tech showing location prior to excavation, facing south.



Photograph of site tech showing location prior to excavation, facing northwest.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #117H

Excavation :



Photograph taken during excavation



Photograph taken during excavation facing southeast.



Photograph taken during excavation facing northeast.



Photograph taken during excavation.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #117H

Backfill Photo :



Photograph of clean backfill material facing east.

PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #117H

Confirmation Samples:



Photograph taken while collecting confirmation samples facing east.



Photograph taken while collecting confirmation samples facing east.



Photograph taken while collecting confirmation samples facing east.



Photograph taken while collecting confirmation samples facing east.



PHOTOGRAPHIC DOCUMENTATION

SITE NAME: Cotton Draw Unit #117H

Post Excavation:



Photo taken post excavation facing west.



Photo taken post excavation

APPENDIX E

Laboratory Reports



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

DEVON ENERGY PRODUCTION, LP.

LABORATORY REPORTS

CDU #153H



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

DEVON ENERGY PRODUCTION, LP.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E408037

Job Number: 01058-0007

Received: 8/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/12/24

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: 8/12/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit 153H
Workorder: E408037
Date Received: 8/6/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/6/2024 6:00:00AM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 08/12/24 14:21
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E408037-01A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S1 - 2'	E408037-02A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S1 - 3'	E408037-03A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S1 - 4'	E408037-04A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S2 - 1'	E408037-05A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S2 - 2'	E408037-06A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S2 - 3'	E408037-07A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S2 - 4'	E408037-08A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S3 - 1'	E408037-09A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S3 - 2'	E408037-10A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S3 - 3'	E408037-11A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S3 - 4'	E408037-12A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S4 - 1'	E408037-13A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S4 - 2'	E408037-14A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S4 - 3'	E408037-15A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S4 - 4'	E408037-16A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S5 - 1'	E408037-17A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S5 - 2'	E408037-18A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S5 - 3'	E408037-19A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
S5 - 4'	E408037-20A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
SW1	E408037-21A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
SW2	E408037-22A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
SW3	E408037-23A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
SW4	E408037-24A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.
BG1	E408037-25A	Soil	08/02/24	08/06/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S1 - 1'
E408037-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.2 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
<i>Surrogate: n-Nonane</i>		142 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2432035
Chloride	534	20.0	1	08/06/24	08/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S1 - 2'

E408037-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.2 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.2 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
<i>Surrogate: n-Nonane</i>		136 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	181	20.0	1	08/06/24	08/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S1 - 3'

E408037-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.2 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.2 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
<i>Surrogate: n-Nonane</i>		135 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	27.9	20.0	1	08/06/24	08/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S1 - 4'

E408037-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
<i>Surrogate: n-Nonane</i>		140 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	ND	20.0	1	08/06/24	08/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S2 - 1'

E408037-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130	08/06/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	08/06/24	08/07/24	
Surrogate: Toluene-d8		97.8 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
Surrogate: Bromofluorobenzene		99.5 %	70-130	08/06/24	08/07/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	08/06/24	08/07/24	
Surrogate: Toluene-d8		97.8 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
Surrogate: n-Nonane		138 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	499	20.0	1	08/06/24	08/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S2 - 2'

E408037-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
<i>Surrogate: n-Nonane</i>		134 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	312	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S2 - 3'

E408037-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		92.8 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		92.8 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
<i>Surrogate: n-Nonane</i>		135 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	25.4	20.0	1	08/06/24	08/06/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S2 - 4'

E408037-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/08/24	
<i>Surrogate: n-Nonane</i>		144 %	50-200	08/06/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	ND	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S3 - 1'

E408037-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		134 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	366	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S3 - 2'

E408037-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		137 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	326	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S3 - 3'

E408037-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		96.0 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		96.0 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		134 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	ND	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S3 - 4'

E408037-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		99.9 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		99.9 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		134 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	ND	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S4 - 1'

E408037-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.5 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.5 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		138 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	483	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S4 - 2'

E408037-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		132 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	119	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S4 - 3'

E408037-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/07/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/07/24	
Toluene	ND	0.0250	1	08/06/24	08/07/24	
o-Xylene	ND	0.0250	1	08/06/24	08/07/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/07/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		95.5 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/07/24	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/06/24	08/07/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/06/24	08/07/24	
<i>Surrogate: Toluene-d8</i>		95.5 %	70-130	08/06/24	08/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		136 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	22.8	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S4 - 4'

E408037-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/08/24	
Toluene	ND	0.0250	1	08/06/24	08/08/24	
o-Xylene	ND	0.0250	1	08/06/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		90.8 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		90.8 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		135 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	ND	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S5 - 1'

E408037-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/08/24	
Toluene	ND	0.0250	1	08/06/24	08/08/24	
o-Xylene	ND	0.0250	1	08/06/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		137 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	457	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S5 - 2'

E408037-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/08/24	
Toluene	ND	0.0250	1	08/06/24	08/08/24	
o-Xylene	ND	0.0250	1	08/06/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		94.5 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		94.5 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		138 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	259	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S5 - 3'

E408037-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/08/24	
Toluene	ND	0.0250	1	08/06/24	08/08/24	
o-Xylene	ND	0.0250	1	08/06/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		135 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	ND	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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S5 - 4'

E408037-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Benzene	ND	0.0250	1	08/06/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/06/24	08/08/24	
Toluene	ND	0.0250	1	08/06/24	08/08/24	
o-Xylene	ND	0.0250	1	08/06/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/06/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2432033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/06/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/06/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	08/06/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	08/06/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432038
Diesel Range Organics (C10-C28)	ND	25.0	1	08/06/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/06/24	08/09/24	
<i>Surrogate: n-Nonane</i>		138 %	50-200	08/06/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2432035
Chloride	31.4	20.0	1	08/06/24	08/07/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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SW1

E408037-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Benzene	ND	0.0250	1	08/07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/08/24	
Toluene	ND	0.0250	1	08/07/24	08/08/24	
o-Xylene	ND	0.0250	1	08/07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/08/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/08/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2432023
Chloride	ND	20.0	1	08/07/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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SW2

E408037-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Benzene	ND	0.0250	1	08/07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/08/24	
Toluene	ND	0.0250	1	08/07/24	08/08/24	
o-Xylene	ND	0.0250	1	08/07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/08/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	08/08/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2432023
Chloride	ND	20.0	1	08/07/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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SW3

E408037-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Benzene	ND	0.0250	1	08/07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/08/24	
Toluene	ND	0.0250	1	08/07/24	08/08/24	
o-Xylene	ND	0.0250	1	08/07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.2 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.2 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/08/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	08/08/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2432023
Chloride	ND	20.0	1	08/07/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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SW4

E408037-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Benzene	ND	0.0250	1	08/07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/08/24	
Toluene	ND	0.0250	1	08/07/24	08/08/24	
o-Xylene	ND	0.0250	1	08/07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.1 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.1 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/08/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/08/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2432023
Chloride	ND	20.0	1	08/07/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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BG1

E408037-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Benzene	ND	0.0250	1	08/07/24	08/08/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/08/24	
Toluene	ND	0.0250	1	08/07/24	08/08/24	
o-Xylene	ND	0.0250	1	08/07/24	08/08/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/08/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.4 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2432074
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/08/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	08/07/24	08/08/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.4 %	70-130	08/07/24	08/08/24	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	08/07/24	08/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2432084
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/24	08/08/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/08/24	08/08/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2432023
Chloride	ND	20.0	1	08/07/24	08/08/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432033-BLK1)

Prepared: 08/06/24 Analyzed: 08/07/24

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	0.517		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5		70-130		
Surrogate: Toluene-d8	0.486		0.500		97.2		70-130		

LCS (2432033-BS1)

Prepared: 08/06/24 Analyzed: 08/07/24

Benzene	2.32	0.0250	2.50		92.9		70-130		
Ethylbenzene	2.37	0.0250	2.50		94.9		70-130		
Toluene	2.21	0.0250	2.50		88.3		70-130		
o-Xylene	2.37	0.0250	2.50		94.7		70-130		
p,m-Xylene	4.75	0.0500	5.00		95.0		70-130		
Total Xylenes	7.12	0.0250	7.50		94.9		70-130		
Surrogate: Bromofluorobenzene	0.531		0.500		106		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3		70-130		
Surrogate: Toluene-d8	0.495		0.500		98.9		70-130		

Matrix Spike (2432033-MS1)

Source: E408037-08

Prepared: 08/06/24 Analyzed: 08/07/24

Benzene	2.38	0.0250	2.50	ND	95.2		48-131		
Ethylbenzene	2.42	0.0250	2.50	ND	96.6		45-135		
Toluene	2.26	0.0250	2.50	ND	90.3		48-130		
o-Xylene	2.35	0.0250	2.50	ND	93.8		43-135		
p,m-Xylene	4.66	0.0500	5.00	ND	93.2		43-135		
Total Xylenes	7.01	0.0250	7.50	ND	93.4		43-135		
Surrogate: Bromofluorobenzene	0.500		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5		70-130		
Surrogate: Toluene-d8	0.490		0.500		97.9		70-130		

Matrix Spike Dup (2432033-MSD1)

Source: E408037-08

Prepared: 08/06/24 Analyzed: 08/07/24

Benzene	2.42	0.0250	2.50	ND	97.0		48-131	1.81	23
Ethylbenzene	2.51	0.0250	2.50	ND	101		45-135	3.98	27
Toluene	2.49	0.0250	2.50	ND	99.5		48-130	9.70	24
o-Xylene	2.52	0.0250	2.50	ND	101		43-135	7.01	27
p,m-Xylene	5.04	0.0500	5.00	ND	101		43-135	7.89	27
Total Xylenes	7.56	0.0250	7.50	ND	101		43-135	7.60	27
Surrogate: Bromofluorobenzene	0.512		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5		70-130		
Surrogate: Toluene-d8	0.528		0.500		106		70-130		



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432074-BLK1)

Prepared: 08/07/24 Analyzed: 08/08/24

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	0.581		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.439		0.500		87.7	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

LCS (2432074-BS1)

Prepared: 08/07/24 Analyzed: 08/08/24

Benzene	2.22	0.0250	2.50		89.0	70-130			
Ethylbenzene	2.37	0.0250	2.50		94.7	70-130			
Toluene	2.42	0.0250	2.50		96.8	70-130			
o-Xylene	2.52	0.0250	2.50		101	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.56	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.577		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.440		0.500		88.0	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

Matrix Spike (2432074-MS1)

Source: E408037-23

Prepared: 08/07/24 Analyzed: 08/08/24

Benzene	2.28	0.0250	2.50	ND	91.1	48-131			
Ethylbenzene	2.34	0.0250	2.50	ND	93.6	45-135			
Toluene	2.42	0.0250	2.50	ND	96.9	48-130			
o-Xylene	2.64	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.22	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.86	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.7	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			

Matrix Spike Dup (2432074-MSD1)

Source: E408037-23

Prepared: 08/07/24 Analyzed: 08/08/24

Benzene	2.36	0.0250	2.50	ND	94.5	48-131	3.66	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.4	45-135	5.00	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	4.44	24	
o-Xylene	2.76	0.0250	2.50	ND	110	43-135	4.49	27	
p,m-Xylene	5.44	0.0500	5.00	ND	109	43-135	4.05	27	
Total Xylenes	8.19	0.0250	7.50	ND	109	43-135	4.20	27	
Surrogate: Bromofluorobenzene	0.589		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		91.0	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432033-BLK1)

Prepared: 08/06/24 Analyzed: 08/07/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			

LCS (2432033-BS2)

Prepared: 08/06/24 Analyzed: 08/07/24

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.1	70-130			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

Matrix Spike (2432033-MS2)

Source: E408037-08

Prepared: 08/06/24 Analyzed: 08/07/24

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: Bromofluorobenzene	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			

Matrix Spike Dup (2432033-MSD2)

Source: E408037-08

Prepared: 08/06/24 Analyzed: 08/07/24

Gasoline Range Organics (C6-C10)	42.3	20.0	50.0	ND	84.6	70-130	6.46	20	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432074-BLK1)

Prepared: 08/07/24 Analyzed: 08/08/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.581		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.439		0.500		87.7	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

LCS (2432074-BS2)

Prepared: 08/07/24 Analyzed: 08/08/24

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.599		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.439		0.500		87.8	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

Matrix Spike (2432074-MS2)

Source: E408037-23

Prepared: 08/07/24 Analyzed: 08/08/24

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.587		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

Matrix Spike Dup (2432074-MSD2)

Source: E408037-23

Prepared: 08/07/24 Analyzed: 08/08/24

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130	2.35	20	
Surrogate: Bromofluorobenzene	0.591		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.2	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432038-BLK1)

Prepared: 08/06/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	68.3		50.0		137	50-200			

LCS (2432038-BS1)

Prepared: 08/06/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	65.0		50.0		130	50-200			

Matrix Spike (2432038-MS1)

Source: E408037-03

Prepared: 08/06/24 Analyzed: 08/09/24

Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132			
Surrogate: n-Nonane	58.1		50.0		116	50-200			

Matrix Spike Dup (2432038-MSD1)

Source: E408037-03

Prepared: 08/06/24 Analyzed: 08/09/24

Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132	2.26	20	
Surrogate: n-Nonane	58.4		50.0		117	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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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
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Blank (2432084-BLK1)

Prepared: 08/08/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.3		50.0		111	50-200			

LCS (2432084-BS1)

Prepared: 08/08/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	51.3		50.0		103	50-200			

Matrix Spike (2432084-MS1)

Source: E408063-02

Prepared: 08/08/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	57.6		50.0		115	50-200			

Matrix Spike Dup (2432084-MSD1)

Source: E408063-02

Prepared: 08/08/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	286	25.0	250	ND	115	38-132	1.13	20	
Surrogate: n-Nonane	58.1		50.0		116	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432023-BLK1)

Prepared: 08/06/24 Analyzed: 08/06/24

Chloride ND 20.0

LCS (2432023-BS1)

Prepared: 08/06/24 Analyzed: 08/06/24

Chloride 252 20.0 250 101 90-110

Matrix Spike (2432023-MS1)

Source: E408031-05

Prepared: 08/06/24 Analyzed: 08/06/24

Chloride 357 20.0 250 98.8 103 80-120

Matrix Spike Dup (2432023-MSD1)

Source: E408031-05

Prepared: 08/06/24 Analyzed: 08/06/24

Chloride 354 20.0 250 98.8 102 80-120 0.887 20



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 8/12/2024 2:21:27PM
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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
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Blank (2432035-BLK1)

Prepared: 08/06/24 Analyzed: 08/06/24

Chloride	ND	20.0							
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LCS (2432035-BS1)

Prepared: 08/06/24 Analyzed: 08/06/24

Chloride	251	20.0	250		100	90-110			
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Matrix Spike (2432035-MS1)

Source: E408037-07

Prepared: 08/06/24 Analyzed: 08/06/24

Chloride	317	20.0	250	25.4	117	80-120			
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Matrix Spike Dup (2432035-MSD1)

Source: E408037-07

Prepared: 08/06/24 Analyzed: 08/06/24

Chloride	277	20.0	250	25.4	101	80-120	13.4	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	08/12/24 14:21

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.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Draw Unit #153 H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip Phone: Email: Pima Project # 1-302-8		Lab Use Only Lab WO# E408037 Job Number 01058-0007		TAT 1D 2D 3D Standard X		EPA Program CWA SDWA RCRA State NM CO UT AZ TX	
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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
8:27	8/2	S		S1-1'	1							X		
8:33				S1-2'	2									
8:39				S1-3'	3									
8:42				S1-4'	4									
8:48				S2-1'	5									
8:56				S2-2'	6									
9:11				S2-3'	7									
9:18				S2-4'	8									
9:26				S3-1'	9									
9:32				S3-2'	10									

Additional Instructions: Billing # 21165284

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. **Sampled by:** Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.

Relinquished by: (Signature) Karime Adame	Date 8/5/24	Time 12:56	Received by: (Signature) Michelle Gonzales	Date 8-5-24	Time 1256	Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) Michelle Gonzales	Date 8-5-24	Time 1540	Received by: (Signature) Andres M880	Date 8-5-24	Time 1830	
Relinquished by: (Signature) Andres M880	Date 8-5-24	Time 2400	Received by: (Signature) Kuyler R Heel	Date 8-6-24	Time 0600	

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

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



Client: Pima Environmental Services Project: Cotton Draw Unit #153H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip Phone: Email: Pima Project # 1-302-8		Lab Use Only Lab WO# E 408037 Job Number 01058-0007		TAT 1D 2D 3D Standard X		EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
---	--	--	--	--	--	-----------------------------------	--	---	--

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:46	8/2	S		S3-3'	11							X		
9:53				S3-4'	12									
10:11				S4-1'	13									
10:17				S4-2'	14									
10:23				S4-3'	15									
10:30				S4-4'	16									
10:36				S5-1'	17									
10:42				S5-2'	18									
10:56				S5-3'	19									
11:21				S5-4'	20									

Additional Instructions: Billing # 21165284

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) Karime Adams	Date 8/5/24	Time 12:56	Received by: (Signature) Michelle Gonzales	Date 8-5-24	Time 1256	Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) Michelle Gonzales	Date 8-5-24	Time 1540	Received by: (Signature) Andrew Herdo	Date 8-5-24	Time 1830	
Relinquished by: (Signature) Andrew Herdo	Date 8-5-24	Time 2400	Received by: (Signature) Kudys R Heel	Date 8-6-24	Time 0630	

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

Client: <u>Pima Environmental Services</u> Project: <u>Cotton Draw Unit #153H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by: _____		Bill To Attention: <u>Devan</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>1-302-8</u>		Lab Use Only Lab WO# <u>E408037</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		TAT 1D 2D 3D Standard X			EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
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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
11:30	8/2	S		SW1	21							X		
11:33				SW2	22									
11:45				SW3	23									
11:53				SW4	24									
11:56				BG1	25									

Additional Instructions: Billing # 21165 284

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Kerime Adams</u>		Date <u>8/5/24</u>	Time <u>12:56</u>	Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>8-5-24</u>	Time <u>1256</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>8-5-24</u>	Time <u>1540</u>	Received by: (Signature) <u>Andrew Hubbo</u>		Date <u>8-5-24</u>	Time <u>1830</u>	
Relinquished by: (Signature) <u>Andrew Hubbo</u>		Date <u>8-5-24</u>	Time <u>2400</u>	Received by: (Signature) <u>Kristyln R Heles</u>		Date <u>8-6-24</u>	Time <u>0630</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: 8/6/2024 9:35:12AM

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: 08/06/24 06:00 Work Order ID: E408037
Phone: (575) 631-6977 Date Logged In: 08/05/24 17:11 Logged In By: Noe Soto
Email: gio@pimaoil.com Due Date: 08/12/24 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

Carrier: Courier

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

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? Yes
22. Are sample(s) correctly preserved? No
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

Empty box for client instruction.

Comments/Resolution

No. of containers and sampled by name are missing on COC by client.

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E412092

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/13/24

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: 12/13/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 153H
Workorder: E412092
Date Received: 12/13/2024 8:00:04AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/24 15:17
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - Surface	E412092-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S1-1'	E412092-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S1-2'	E412092-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S1-3'	E412092-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S1-4'	E412092-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S2- Surface	E412092-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S2-1'	E412092-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S2-2'	E412092-08A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S2-3'	E412092-09A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S2-4'	E412092-10A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S3- Surface	E412092-11A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S3-1'	E412092-12A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S3-2'	E412092-13A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S3-3'	E412092-14A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S3-4'	E412092-15A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S4- Surface	E412092-16A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S4-1'	E412092-17A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S4-2'	E412092-18A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S4-3'	E412092-19A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S4-4'	E412092-20A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S1 - Surface
E412092-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2450107	
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2450107	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450099	
Diesel Range Organics (C10-C28)	50.1	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	59.1	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2450115	
Chloride	94.4	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S1-1'

E412092-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	3660	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	1510	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	466	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S1-2'

E412092-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	98.5	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	79.2	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	383	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S1-3'

E412092-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	84.9	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	90.2	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	910	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S1-4'

E412092-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		100 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	159	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S2- Surface

E412092-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	76.7	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	80.3	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	59.6	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S2-1'

E412092-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	3350	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	1540	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	464	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S2-2'

E412092-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	43.1	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	154	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S2-3'

E412092-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	177	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	132	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	971	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S2-4'

E412092-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	184	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S3- Surface

E412092-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	58.0	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	73.2	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	59.9	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S3-1'

E412092-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	2680	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	1360	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	411	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S3-2'

E412092-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	47.3	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	176	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S3-3'

E412092-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	81.0	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	55.2	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	174	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S3-4'

E412092-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	166	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S4- Surface
E412092-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	105	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	97.9	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S4-1'

E412092-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	2570	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	1180	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S4-2'

E412092-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	71.1	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	89.6	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S4-3'

E412092-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.9 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	64.4	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	60.9	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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S4-4'

E412092-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450107
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450099
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450115
Chloride	ND	20.0	1	12/13/24	12/13/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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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
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Blank (2450107-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

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	7.67		8.00		95.9	70-130			

LCS (2450107-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	5.93	0.0250	5.00		119	70-130			
Ethylbenzene	5.66	0.0250	5.00		113	70-130			
Toluene	5.81	0.0250	5.00		116	70-130			
o-Xylene	5.67	0.0250	5.00		113	70-130			
p,m-Xylene	11.5	0.0500	10.0		115	70-130			
Total Xylenes	17.2	0.0250	15.0		114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

LCS Dup (2450107-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	5.28	0.0250	5.00		106	70-130	11.7	20	
Ethylbenzene	5.06	0.0250	5.00		101	70-130	11.3	20	
Toluene	5.17	0.0250	5.00		103	70-130	11.6	20	
o-Xylene	5.05	0.0250	5.00		101	70-130	11.6	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	11.0	20	
Total Xylenes	15.4	0.0250	15.0		102	70-130	11.2	20	
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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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
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Blank (2450107-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			

LCS (2450107-BS2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

LCS Dup (2450107-BSD2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130	2.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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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
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Blank (2450099-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.6		50.0		119	50-200			

LCS (2450099-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Diesel Range Organics (C10-C28)	288	25.0	250		115	38-132			
Surrogate: n-Nonane	58.4		50.0		117	50-200			

LCS Dup (2450099-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Diesel Range Organics (C10-C28)	289	25.0	250		116	38-132	0.403	20	
Surrogate: n-Nonane	59.3		50.0		119	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:17:57PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450115-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	ND	20.0							
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LCS (2450115-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	257	20.0	250		103	90-110			
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LCS Dup (2450115-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	257	20.0	250		103	90-110	0.00818	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/13/24 15:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Cotton Draw Unit #153H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:		Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-302-3</u>		Lab Use Only Lab WO# <u>412092</u> Job Number <u>010510007</u> Analysis and Method		TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input checked="" type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
						State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:06	12/11	S		S1 - Surface	1							X		
9:11				S1-1'	2									
9:17				S1-2'	3									
9:20				S1-3'	4									
9:24				S1-4'	5									
9:30				S2 - Surface	6									
9:36				S2-1'	7									
9:41				S2-2'	8									
9:48				S2-3'	9									
9:50				S2-4'	10									

Additional Instructions: Billings # 21165204

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

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

Relinquished by: (Signature) <u>Karime Adame</u>	Date <u>12-12-24</u>	Time <u>1400</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>12-12-24</u>	Time <u>1615</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1: _____ T2: _____ T3: _____ Avg Temp °C: <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>12-12-24</u>	Time <u>1615</u>	Received by: (Signature) <u>John H.</u>	Date <u>12-12-24</u>	Time <u>1615</u>	
Relinquished by: (Signature) <u>John H.</u>	Date <u>12-12-24</u>	Time <u>2245</u>	Received by: (Signature) <u>Caitlin Mann</u>	Date <u>12-13-24</u>	Time <u>800</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

Client: Pima Environmental Services	Bill To	Lab Use Only	TAT			EPA Program						
Project: Cotton Draw Unit #193H	Attention: Devon	Lab WO# 141209Z	1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Gio Gomez	Address:	Job Number 010580057	Analysis and Method					RCRA				
Address: 5614 N. Lovington Hwy.	City, State, Zip							State				
City, State, Zip Hobbs, NM, 88240	Phone:							NM	CO	UT	AZ	TX
Phone: 806-782-1151	Email:							X				
Email: gio@pimaoil.com	Pima Project # 1-302-3							Remarks				
Report due by:												

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:53	12/11	S		S3-Surface	11							X		
9:57				S3-1'	12									
9:59				S3-2'	13									
10:11				S3-3'	14									
10:17				S3-4'	15									
10:20				S4-Surface	16									
10:28				S4-1'	17									
10:30				S4-2'	18									
10:36				S4-3'	19									
10:39				S4-4'	20									

Additional Instructions: Billing # 21165284

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) <i>Karime Alame</i>	Date	Time	Received by: (Signature) <i>Michelle Gonzales</i>	Date	Time	Lab Use Only
				12-12-24	1400	Received on Ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date	Time	Received by: (Signature) <i>John H.</i>	Date	Time	T1
	12-12-24	1615		12-12-24	1613	T2
Relinquished by: (Signature) <i>John H.</i>	Date	Time	Received by: (Signature) <i>Caitlin Mann</i>	Date	Time	T3
	12-12-24	2245		12-13-24	800	AVG Temp °C: 4

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

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



Envirotech Analytical Laboratory

Printed: 12/13/2024 10:04:15AM

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:	12/13/24 08:00	Work Order ID:	E412092
Phone:	(575) 631-6977	Date Logged In:	12/12/24 14:33	Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	12/13/24 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

Carrier: Courier

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

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

Comments/Resolution

No of containers and sampled by not provided on COC. Project Cotton Draw Unit #153H has been separated into 7 reports. WO are E412092 to E412098.

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E412093

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/13/24

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: 12/13/24



Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 153H
Workorder: E412093
Date Received: 12/13/2024 8:00:04AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/24 16:01
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S5- Surface	E412093-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S5-1'	E412093-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S5-2'	E412093-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S5-3'	E412093-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S5-4'	E412093-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S6-Surface	E412093-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S6-1'	E412093-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S6-2'	E412093-08A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S6-3'	E412093-09A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S6-4'	E412093-10A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S7-Surface	E412093-11A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S7-1'	E412093-12A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S7-2'	E412093-13A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S7-3'	E412093-14A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
S7-4'	E412093-15A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW1- Surface	E412093-16A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW1-1'	E412093-17A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW1-2'	E412093-18A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW1-3'	E412093-19A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW1-4'	E412093-20A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S5- Surface
E412093-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2450108	
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2450108	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450098	
Diesel Range Organics (C10-C28)	50.0	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	64.7	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		84.8 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2450116	
Chloride	45.4	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S5-1'

E412093-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	2580	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	1190	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	410	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S5-2'

E412093-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	63.1	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	68.1	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	358	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S5-3'

E412093-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	88.0	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	84.7	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	1000	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S5-4'

E412093-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	156	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S6-Surface

E412093-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	49.5	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	54.7	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		99.8 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	60.7	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S6-1'

E412093-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	0.0281	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		84.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	3360	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	1470	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	458	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S6-2'

E412093-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		84.9 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		98.9 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	333	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S6-3'

E412093-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	0.0252	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	0.0252	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	79.2	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	108	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	982	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S6-4'

E412093-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	170	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S7-Surface

E412093-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	124	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	156	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	64.0	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S7-1'

E412093-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	2820	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	1450	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	406	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S7-2'

E412093-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	356	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S7-3'

E412093-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	938	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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S7-4'

E412093-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		123 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	161	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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SW1- Surface

E412093-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	73.8	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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SW1-1'

E412093-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	432	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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SW1-2'

E412093-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	387	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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SW1-3'

E412093-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	939	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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SW1-4'

E412093-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2450108
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450116
Chloride	168	20.0	1	12/13/24	12/13/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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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
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Blank (2450108-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

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	7.00		8.00		87.4	70-130			

LCS (2450108-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	4.89	0.0250	5.00		97.9	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.7	70-130			
Toluene	4.80	0.0250	5.00		96.1	70-130			
o-Xylene	4.66	0.0250	5.00		93.2	70-130			
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130			
Total Xylenes	14.2	0.0250	15.0		94.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.98		8.00		87.2	70-130			

LCS Dup (2450108-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	4.97	0.0250	5.00		99.5	70-130	1.63	20	
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130	1.61	20	
Toluene	4.88	0.0250	5.00		97.6	70-130	1.58	20	
o-Xylene	4.73	0.0250	5.00		94.6	70-130	1.42	20	
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130	1.32	20	
Total Xylenes	14.4	0.0250	15.0		95.8	70-130	1.35	20	
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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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
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Blank (2450108-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

LCS (2450108-BS2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

LCS Dup (2450108-BSD2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130	0.121	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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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
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Blank (2450098-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.0		50.0		120	50-200			

LCS (2450098-BS1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	58.1		50.0		116	50-200			

LCS Dup (2450098-BSD1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132	2.24	20	
Surrogate: n-Nonane	58.3		50.0		117	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:01:48PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450116-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

Chloride	ND	20.0							
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LCS (2450116-BS1)

Prepared: 12/12/24 Analyzed: 12/12/24

Chloride	251	20.0	250		100	90-110			
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LCS Dup (2450116-BSD1)

Prepared: 12/12/24 Analyzed: 12/12/24

Chloride	251	20.0	250		100	90-110	0.120	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/13/24 16:01

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT			EPA Program	
Project: Cotton Draw Unit #193H		Attention: Devon		Lab WO# 412093		1D 2D 3D			Standard	
Project Manager: Gio Gomez		Address:		Job Number: 0105805		<input checked="" type="checkbox"/>			CWA SDWA	
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method					RCRA	
City, State, Zip: Hobbs, NM, 88240		Phone:		DRO/DRO by 8015					State	
Phone: 806-782-1151		Email:		GRO/DRO by 8015					NM CO UT AZ TX	
Email: gio@pimaoil.com		Pima Project # 1-302-3		BTEX by 8021						
Report due by:				VOC by 8260						
				Metals 6010						
				Chloride 300.0						
				BGDOC NM						
				BGDOC TX						

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:48	12/11	5		S5-Surface	1							<input checked="" type="checkbox"/>		
10:46				S5-1'	2									
10:51				S5-2'	3									
10:54				S5-3'	4									
10:59				S5-4'	5									
11:02				S6-Surface	6									
11:07				S6-1'	7									
11:11				S6-2'	8									
11:16				S6-3'	9									
11:19				S6-4'	10									

Additional Instructions: Billing # 21165284

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) Karime Abame	Date	Time	Received by: (Signature) Michelle Gonzales	Date 12-12-24	Time 14:00	Lab Use Only Received on Ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ Avg Temp °C: 4
Relinquished by: (Signature) Michelle Gonzales	Date 12-12-24	Time 16:15	Received by: (Signature) John H.	Date 12-12-24	Time 16:15	
Relinquished by: (Signature) John H.	Date 12-12-24	Time 22:45	Received by: (Signature) Caitlin Mann	Date 12-13-24	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.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Draw Unit #153H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-302-3		Lab Use Only Lab Work # 412043 Lab Number 01058007		TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 3000 BGDOC NM BGDOC TX		State NM CO UT AZ TX			Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC NM	BGDOC TX	Remarks
11:22	12/11	S		S7-Surface	11							X		
11:25				S7-1'	12									
11:28				S7-2'	13									
11:36				S7-3'	14									
11:41				S7-4'	15									
11:49				SW1-Surface	16									
11:56				SW1-1'	17									
11:58				SW1-2'	18									
12:01				SW1-3'	19									
12:05				SW1-4'	20									

Additional Instructions: Billing # 21165284

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) Karime Hoame Date: 12-12-24 Time: 1615				Received by: (Signature) Michelle Gonzales Date: 12-12-24 Time: 1615		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Relinquished by: (Signature) Michelle Gonzales Date: 12-12-24 Time: 2245				Received by: (Signature) Caitlin Date: 12-13-24 Time: 8:00		T1: T2: T3: Avg Temp: 4	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 12/13/2024 10:05:18AM

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: 12/13/24 08:00 Work Order ID: E412093
Phone: (575) 631-6977 Date Logged In: 12/12/24 14:39 Logged In By: Caitlin Mars
Email: gio@pimaoil.com Due Date: 12/13/24 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: Courier

Comments/Resolution

No of containers and sampled by not provided on COC. Project Cotton Draw Unit #153H has been separated into 7 reports. WO are E412092 to E412098.

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

Empty box for client instruction.

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E412094

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/13/24

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: 12/13/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 153H
Workorder: E412094
Date Received: 12/13/2024 8:00:04AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/24 15:21
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW2- Surface	E412094-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW2-1'	E412094-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW2-2'	E412094-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW2-3'	E412094-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW2-4'	E412094-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW3- Surface	E412094-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW3-1'	E412094-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW3-2'	E412094-08A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW3-3'	E412094-09A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW3-4'	E412094-10A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW4- Surface	E412094-11A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW4- 1'	E412094-12A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW4-2'	E412094-13A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW4-3'	E412094-14A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW4-4'	E412094-15A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW5- Surface	E412094-16A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW5-1'	E412094-17A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW5-2'	E412094-18A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW5-3'	E412094-19A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW5-4'	E412094-20A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW2- Surface
E412094-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW2-1'

E412094-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW2-2'

E412094-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		114 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		114 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW2-3'

E412094-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW2-4'

E412094-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW3- Surface

E412094-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW3-1'

E412094-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW3-2'

E412094-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW3-3'

E412094-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA		Batch: 2450109	
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2450109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450100	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	74.5	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2450117	
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW3-4'

E412094-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW4- Surface

E412094-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW4- 1'

E412094-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW4-2'

E412094-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW4-3'

E412094-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		119 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW4-4'

E412094-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		118 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW5- Surface

E412094-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW5-1'

E412094-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW5-2'

E412094-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW5-3'

E412094-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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SW5-4'

E412094-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450109
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450100
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450117
Chloride	ND	20.0	1	12/13/24	12/13/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450109-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

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	0.596		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.567		0.500		113	70-130			

LCS (2450109-BS1)

Prepared: 12/12/24 Analyzed: 12/12/24

Benzene	2.77	0.0250	2.50		111	70-130			
Ethylbenzene	2.85	0.0250	2.50		114	70-130			
Toluene	2.83	0.0250	2.50		113	70-130			
o-Xylene	3.00	0.0250	2.50		120	70-130			
p,m-Xylene	5.97	0.0500	5.00		119	70-130			
Total Xylenes	8.97	0.0250	7.50		120	70-130			
Surrogate: Bromofluorobenzene	0.610		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.565		0.500		113	70-130			

LCS Dup (2450109-BSD1)

Prepared: 12/12/24 Analyzed: 12/12/24

Benzene	2.61	0.0250	2.50		104	70-130	5.95	23	
Ethylbenzene	2.63	0.0250	2.50		105	70-130	7.93	27	
Toluene	2.64	0.0250	2.50		105	70-130	7.07	24	
o-Xylene	2.80	0.0250	2.50		112	70-130	6.73	27	
p,m-Xylene	5.59	0.0500	5.00		112	70-130	6.67	27	
Total Xylenes	8.39	0.0250	7.50		112	70-130	6.69	27	
Surrogate: Bromofluorobenzene	0.609		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450109-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.596		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.567		0.500		113	70-130			

LCS (2450109-BS2)

Prepared: 12/12/24 Analyzed: 12/12/24

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.613		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.590		0.500		118	70-130			

LCS Dup (2450109-BSD2)

Prepared: 12/12/24 Analyzed: 12/12/24

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0		110	70-130	0.491	20	
Surrogate: Bromofluorobenzene	0.607		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.579		0.500		116	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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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
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Blank (2450100-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.9		50.0		114	50-200			

LCS (2450100-BS1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	281	25.0	250		112	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			

LCS Dup (2450100-BSD1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	266	25.0	250		107	38-132	5.30	20	
Surrogate: n-Nonane	56.9		50.0		114	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 3:21:40PM
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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
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Blank (2450117-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	ND	20.0							
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LCS (2450117-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	255	20.0	250		102	90-110			
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LCS Dup (2450117-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	254	20.0	250		101	90-110	0.372	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/13/24 15:21

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.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Patton Draw Unit #1534</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by: _____				Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>1-302-3</u>				Lab Use Only Lab WO# <u>1412094</u> Job Number <u>010580007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX				TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	
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		
12:11	12/11	S		SW2-Surface	1							X				
12:18				SW2-1'	2											
12:21				SW2-2'	3											
12:27				SW2-3'	4											
12:30				SW2-4'	5											
12:36				SW3-Surface	6											
12:40				SW3-1'	7											
12:44				SW3-2'	8											
12:49				SW3-3'	9											
12:50				SW3-4'	10											
Additional Instructions: <u>Billing# 21165284</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.						
Relinquished by: (Signature) <u>Kacime Horne</u> Date <u>12.12.24</u> Time <u>1400</u> Received by: (Signature) <u>Michelle Gonzales</u> Date <u>12.12.24</u> Time <u>1400</u> Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N																
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>12.12.24</u> Time <u>1645</u> Received by: (Signature) <u>[Signature]</u> Date <u>12.12.24</u> Time <u>1615</u>																
Relinquished by: (Signature) <u>[Signature]</u> Date <u>12.12.24</u> Time <u>2245</u> Received by: (Signature) <u>Caitlin [Signature]</u> Date <u>12.13.24</u> Time <u>800</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

Client: Pima Environmental Services Project: <u>Cotton Draw Unit #153H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by: _____	Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>1-302-3</u>	Lab Use Only Lab WO# <u>412094</u> Lab Number <u>1058007</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX	TAT 1D 2D 3D Standard Standard	EPA Program CWA SDWA RCRA State NM CO UT AZ TX NM
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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
12:53	12/11	S		SW4 - Surface	11							X		
12:59				SW4- 1'	12									
1:06				SW4- 2'	13									
1:11				SW4- 3'	14									
1:20				SW4- 4'	15									
1:28				SWS - Surface	16									
1:31				SWS - 1'	17									
1:36				SWS - 2'	18									
1:40				SWS - 3'	19									
1:49				SWS - 4'	20									

Additional Instructions: Billing # 21165284

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>Norm Paine</u>	Date 12.12.24	Time 1615	Received by: (Signature) <u>Michelle Gonzales</u>	Date 12.12.24	Time 1400	Lab Use Only Received on ice: <u>(Y) / N</u> T1 _____ T2 _____ T3 _____ Avg Temp °C: <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date 12.12.24	Time 1615	Received by: (Signature) <u>John J.</u>	Date 12.12.24	Time 1615	
Relinquished by: (Signature) <u>John J.</u>	Date 12.12.24	Time 2245	Received by: (Signature) <u>Caitlin</u>	Date 12.13.24	Time 800	

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: 12/13/2024 10:06:22AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	12/13/24 08:00	Work Order ID:	E412094
Phone:	(575) 631-6977	Date Logged In:	12/12/24 14:40	Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	12/13/24 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

Carrier: Courier

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

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

Comments/Resolution

No of containers and sampled by not provided on COC. Project Cotton Draw Unit #153H has been separated into 7 reports. WO are E412092 to E412098.

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E412095

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/13/24

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: 12/13/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit 153H
Workorder: E412095
Date Received: 12/13/2024 8:00:04AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/24 16:24
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW6- Surface	E412095-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW6-1'	E412095-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW6-2'	E412095-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW6-3'	E412095-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW6-4'	E412095-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW7- Surface	E412095-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW7-1'	E412095-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW7-2'	E412095-08A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW7-3'	E412095-09A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW7-4'	E412095-10A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW8- Surface	E412095-11A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW8-1'	E412095-12A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW8-2'	E412095-13A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW8-3'	E412095-14A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SW8-4'	E412095-15A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L1- Surface	E412095-16A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L1-1'	E412095-17A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L1-2'	E412095-18A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L1-3'	E412095-19A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L1-4'	E412095-20A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW6- Surface
E412095-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW6-1'

E412095-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW6-2'

E412095-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW6-3'

E412095-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW6-4'

E412095-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW7- Surface

E412095-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW7-1'

E412095-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW7-2'

E412095-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW7-3'

E412095-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW7-4'

E412095-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		97.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW8- Surface

E412095-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		93.3 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		93.3 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW8-1'

E412095-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW8-2'

E412095-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW8-3'

E412095-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.4 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		94.4 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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SW8-4'

E412095-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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L1- Surface

E412095-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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L1-1'
E412095-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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L1-2'
E412095-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		114 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		114 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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L1-3'
E412095-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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L1-4'
E412095-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Benzene	ND	0.0250	1	12/13/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/13/24	
Toluene	ND	0.0250	1	12/13/24	12/13/24	
o-Xylene	ND	0.0250	1	12/13/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450110
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/13/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	12/13/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/13/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450101
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450118
Chloride	ND	20.0	1	12/13/24	12/13/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450110-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

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	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS (2450110-BS1)

Prepared: 12/12/24 Analyzed: 12/12/24

Benzene	2.30	0.0250	2.50		92.0	70-130			
Ethylbenzene	2.41	0.0250	2.50		96.2	70-130			
Toluene	2.39	0.0250	2.50		95.4	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	4.97	0.0500	5.00		99.3	70-130			
Total Xylenes	7.50	0.0250	7.50		99.9	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.528		0.500		106	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

LCS Dup (2450110-BSD1)

Prepared: 12/12/24 Analyzed: 12/12/24

Benzene	2.19	0.0250	2.50		87.4	70-130	5.11	23	
Ethylbenzene	2.33	0.0250	2.50		93.2	70-130	3.21	27	
Toluene	2.31	0.0250	2.50		92.3	70-130	3.32	24	
o-Xylene	2.42	0.0250	2.50		96.7	70-130	4.53	27	
p,m-Xylene	4.71	0.0500	5.00		94.1	70-130	5.40	27	
Total Xylenes	7.12	0.0250	7.50		95.0	70-130	5.10	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450110-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

LCS (2450110-BS2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	56.0	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

LCS Dup (2450110-BSD2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130	4.08	20	
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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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
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Blank (2450101-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.0		50.0		114	50-200			

LCS (2450101-BS1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	56.9		50.0		114	50-200			

LCS Dup (2450101-BSD1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132	1.50	20	
Surrogate: n-Nonane	57.6		50.0		115	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/13/2024 4:24:51PM
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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
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Blank (2450118-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	ND	20.0							
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LCS (2450118-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	251	20.0	250		100	90-110			
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LCS Dup (2450118-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	251	20.0	250		100	90-110	0.0494	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/13/24 16:24

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Open Draw Unit #153H</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:		Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-302-3</u>		Lab Use Only Lab WO# <u>E412095</u> Job Number <u>161058-007</u>		TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	
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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
1:50	12/11	S		SW6-Surface	1							X		
1:54				SW6-1'	2									
1:59				SW6-2'	3									
2:00				SW6-3'	4									
2:11				SW6-4'	5									
2:17				SW7-Surface	6									
2:18				SW7-1'	7									
2:20				SW7-2'	8									
2:26				SW7-3'	9									
2:30				SW7-4'	10									

Additional Instructions: Billing # 21165284

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

Relinquished by: (Signature) <u>Narissa Hoane</u> Date <u>12-12-24</u> Time <u>1615</u>				Received by: (Signature) <u>Michelle Gonzalez</u> Date <u>12-12-24</u> Time <u>1400</u>		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
Relinquished by: (Signature) <u>Michelle Gonzalez</u> Date <u>12-12-24</u> Time <u>1615</u>				Received by: (Signature) <u>[Signature]</u> Date <u>12-12-24</u> Time <u>1615</u>		T1: _____ T2: _____ T3: _____	
Relinquished by: (Signature) <u>[Signature]</u> Date <u>12-12-24</u> Time <u>2245</u>				Received by: (Signature) <u>Caitlin Mann</u> Date <u>12-13-24</u> Time <u>800</u>		Avg Temp: <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

Client: Pima Environmental Services Project: Cotton Draw Unit #153H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: De Von Address: City, State, Zip: Phone: Email: Pima Project # 1-302-3		Lab Use Only Lab WO# 412095 Lab Number 10580001		TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
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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
2:32	12/11	S		SW8-Surface	11							X		
2:36				SW8-1'	12									
2:41				SW8-2'	13									
2:43				SW8-3'	14									
2:48				SW8-4'	15									
2:56				L1-Surface	16									
3:00				L1-1'	17									
3:11				L1-2'	18									
3:17				L1-3'	19									
3:20				L1-4'	20									

Additional Instructions: Billing # 21165284

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) Hanni Adams	Date 12.12.24	Time 1615	Received by: (Signature) Michelle Gonzales	Date 12.12.24	Time 1400	Lab Use Only Received on ice: 0/ N T1 T2 T3 Avg Temp: 4
Relinquished by: (Signature) Michelle Gonzales	Date 12.12.24	Time 1615	Received by: (Signature) L.H. H.	Date 12.12.24	Time 1615	
Relinquished by: (Signature) L.H. H.	Date 12.12.24	Time 2245	Received by: (Signature) Caitlin	Date 12.12.24	Time 800	

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: 12/13/2024 10:08:14AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Pima Environmental Services-Carlsbad Date Received: 12/13/24 08:00 Work Order ID: E412095
Phone: (575) 631-6977 Date Logged In: 12/12/24 14:40 Logged In By: Caitlin Mars
Email: gio@pimaoil.com Due Date: 12/13/24 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

Carrier: Courier

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

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

Empty box for client instructions.

Comments/Resolution

No of containers and sampled by not provided on COC. Project Cotton Draw Unit #153H has been separated into 7 reports. WO are E412092 to E412098.

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

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E412096

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/16/24

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: 12/16/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit 153H
Workorder: E412096
Date Received: 12/13/2024 8:00:04AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Laboratory Administrator
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/24 12:17
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
LN1- Surface	E412096-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN1-1'	E412096-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN1-2'	E412096-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN1-3'	E412096-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN1-4'	E412096-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE1-Surface	E412096-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE1-1'	E412096-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE1-2'	E412096-08A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE1-3'	E412096-09A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE1-4'	E412096-10A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS1-Surface	E412096-11A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS1-1'	E412096-12A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS1-2'	E412096-13A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS1-3'	E412096-14A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS1-4'	E412096-15A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW1-Surface	E412096-16A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW1-1'	E412096-17A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW1-2'	E412096-18A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW1-3'	E412096-19A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW1-4'	E412096-20A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LN1- Surface
E412096-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.6 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.6 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LN1-1'

E412096-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LN1-2'

E412096-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LN1-3'

E412096-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LN1-4'

E412096-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LE1-Surface

E412096-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		114 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		114 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LE1-1'

E412096-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		116 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LE1-2'

E412096-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LE1-3'

E412096-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LE1-4'

E412096-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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**LS1-Surface
E412096-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LS1-1'

E412096-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LS1-2'

E412096-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LS1-3'

E412096-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		96.2 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LS1-4'

E412096-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LW1-Surface

E412096-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LW1-1'

E412096-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS		Batch: 2450111	
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		94.8 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2450111	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		94.8 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450102	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2450119	
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LW1-2'

E412096-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/15/24	
Toluene	ND	0.0250	1	12/12/24	12/15/24	
o-Xylene	ND	0.0250	1	12/12/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		93.5 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/15/24	
<i>Surrogate: Bromofluorobenzene</i>		93.5 %	70-130	12/12/24	12/15/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	12/12/24	12/15/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	12/12/24	12/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LW1-3'

E412096-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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LW1-4'

E412096-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450111
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/12/24	12/13/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	12/12/24	12/13/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450102
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2450119
Chloride	ND	20.0	1	12/13/24	12/13/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450111-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

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	0.586		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			

LCS (2450111-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Toluene	2.57	0.0250	2.50		103	70-130			
o-Xylene	2.76	0.0250	2.50		110	70-130			
p,m-Xylene	5.48	0.0500	5.00		110	70-130			
Total Xylenes	8.24	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

LCS Dup (2450111-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	2.35	0.0250	2.50		94.0	70-130	9.14	23	
Ethylbenzene	2.41	0.0250	2.50		96.4	70-130	7.84	27	
Toluene	2.35	0.0250	2.50		94.0	70-130	8.94	24	
o-Xylene	2.54	0.0250	2.50		101	70-130	8.36	27	
p,m-Xylene	5.04	0.0500	5.00		101	70-130	8.41	27	
Total Xylenes	7.58	0.0250	7.50		101	70-130	8.39	27	
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450111-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.586		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			

LCS (2450111-BS2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	56.2	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.601		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.573		0.500		115	70-130			

LCS Dup (2450111-BSD2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130	5.93	20	
Surrogate: Bromofluorobenzene	0.591		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.560		0.500		112	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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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
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Blank (2450102-BLK1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.0		50.0		116	50-200			

LCS (2450102-BS1)

Prepared: 12/12/24 Analyzed: 12/12/24

Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132			
Surrogate: n-Nonane	57.4		50.0		115	50-200			

LCS Dup (2450102-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132	1.67	20	
Surrogate: n-Nonane	58.0		50.0		116	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:17:23PM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450119-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	ND	20.0							
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LCS (2450119-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	256	20.0	250		102	90-110			
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LCS Dup (2450119-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Chloride	257	20.0	250		103	90-110	0.420	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/24 12:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Draw Unit #1534 Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-302-3		Lab Use Only Lab WO# 412096 Lab Number 010580007		TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOR NM BGDOR TX		State NM CO UT AZ TX			Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOR NM	BGDOR TX	Remarks
3:22	12/11	S		LNI - Surface	1							X		
3:24				LNI - 1'	2									
3:30				LNI - 2'	3									
3:34				LNI - 3'	4									
3:36				LNI - 4'	5									
3:39				LEI - Surface	6									
3:50				LEI - 1'	7									
3:56				LEI - 2'	8									
3:59				LEI - 3'	9									
4:00				LEI - 4'	10									

Additional Instructions: Billing # 21165284

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

Relinquished by: (Signature) <i>Kevin Hame</i>		Date	Time	Received by: (Signature) <i>Michelle Gonzales</i>		Date	Time	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	
Relinquished by: (Signature) <i>Michelle Gonzales</i>		12-12-24	1605	Received by: (Signature) <i>John H.</i>		12-12-24	1613		
Relinquished by: (Signature) <i>John H.</i>		12-12-24	2243	Received by: (Signature) <i>Caitlin Mann</i>		12-12-24	800		

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

Client: Pima Environmental Services Project: Cotton Draw Unit #153H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-302-3		Lab Use Only Lab WO# 4120910 Lab Number DROS-1007		TAT 1D 2D 3D Standard X		EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
--	--	--	--	---	--	-------------------------------	--	--	--

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC NM	BGDOC TX	Remarks
4:02	12/11	S		LS1-Surface	11							X		
4:07				LS1-1'	12									
4:10				LS1-2'	13									
4:12				LS1-3'	14									
4:15				LS1-4'	15									
4:17				LW1-Surface	16									
4:20				LW1-1'	17									
4:25				LW1-2'	18									
4:30				LW1-3'	19									
4:32				LW1-4'	20									

Additional Instructions: Billing # 21165284

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 Flame	Date 12-12-24	Time 1615	Received by: (Signature) Michelle Gonzales	Date 12-12-24	Time 1400	Lab Use Only Received on Ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Relinquished by: (Signature) Michelle Gonzales	Date 12-12-24	Time 1615	Received by: (Signature) [Signature]	Date 12-12-24	Time 1615	
Relinquished by: (Signature) [Signature]	Date 12-12-24	Time 2245	Received by: (Signature) Caitlynn	Date 12-12-24	Time 800	

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: 12/13/2024 10:09:55AM

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: 12/13/24 08:00	Work Order ID: E412096
Phone: (575) 631-6977	Date Logged In: 12/12/24 14:40	Logged In By: Caitlin Mars
Email: gio@pimaoil.com	Due Date: 12/13/24 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: Courier

Comments/Resolution

No of containers and sampled by not provided on COC. Project Cotton Draw Unit #153H has been separated into 7 reports. WO are E412092 to E412098.

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:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E412097

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/16/24

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: 12/16/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 153H
Workorder: E412097
Date Received: 12/13/2024 8:00:04AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/24 13:34
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
L3-Surface	E412097-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L3-1'	E412097-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L3-2'	E412097-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L3-3'	E412097-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L3-4'	E412097-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN3-Surface	E412097-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN3-1'	E412097-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN3-2'	E412097-08A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN3-3'	E412097-09A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN3-4'	E412097-10A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE3-Surface	E412097-11A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE3-1'	E412097-12A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE3-2'	E412097-13A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE3-3'	E412097-14A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE3-4'	E412097-15A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS3-Surface	E412097-16A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS3-1'	E412097-17A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS3-2'	E412097-18A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS3-3'	E412097-19A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS3-4'	E412097-20A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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L3-Surface
E412097-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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L3-1'

E412097-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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L3-2'

E412097-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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L3-3'

E412097-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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L3-4'

E412097-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		100 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	37.3	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LN3-Surface
E412097-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LN3-1'

E412097-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		118 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LN3-2'

E412097-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LN3-3'

E412097-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LN3-4'

E412097-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	28.8	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LE3-Surface

E412097-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LE3-1'

E412097-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LE3-2'

E412097-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LE3-3'

E412097-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2450112	
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2450112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450103	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2450120	
Chloride	ND	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LE3-4'

E412097-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.1 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.3 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	12/12/24	12/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	67.8	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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**LS3-Surface
E412097-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2450112	
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.4 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2450112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450103	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	12/12/24	12/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2450120	
Chloride	ND	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LS3-1'

E412097-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.9 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/12/24	12/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LS3-2'

E412097-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/12/24	12/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LS3-3'

E412097-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.6 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/12/24	12/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	ND	20.0	1	12/13/24	12/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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LS3-4'

E412097-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.1 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2450112
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450103
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/14/24	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	12/12/24	12/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450120
Chloride	59.9	20.0	1	12/13/24	12/14/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450112-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

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	7.73		8.00		96.6	70-130			

LCS (2450112-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	5.41	0.0250	5.00		108	70-130			
Ethylbenzene	5.18	0.0250	5.00		104	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			

LCS Dup (2450112-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	5.47	0.0250	5.00		109	70-130	1.04	20	
Ethylbenzene	5.23	0.0250	5.00		105	70-130	0.877	20	
Toluene	5.37	0.0250	5.00		107	70-130	1.14	20	
o-Xylene	5.24	0.0250	5.00		105	70-130	1.09	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	0.875	20	
Total Xylenes	15.9	0.0250	15.0		106	70-130	0.946	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450112-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			

LCS (2450112-BS2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0		91.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			

LCS Dup (2450112-BSD2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.6	70-130	0.253	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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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
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Blank (2450103-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.0		50.0		116	50-200			

LCS (2450103-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132			
Surrogate: n-Nonane	59.9		50.0		120	50-200			

LCS Dup (2450103-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132	0.603	20	
Surrogate: n-Nonane	60.4		50.0		121	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 1:34:46PM
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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
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Blank (2450120-BLK1)

Prepared: 12/13/24 Analyzed: 12/13/24

Chloride	ND	20.0							
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LCS (2450120-BS1)

Prepared: 12/13/24 Analyzed: 12/13/24

Chloride	251	20.0	250		100	90-110			
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LCS Dup (2450120-BSD1)

Prepared: 12/13/24 Analyzed: 12/13/24

Chloride	251	20.0	250		100	90-110	0.137	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/24 13:34

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Wad Unit #153H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:				Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-302-3				Lab Use Only Lab WOH # 112097 Lab Number 010580007 Analysis and Method				TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
								State NM CO UT AZ TX			Remarks					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX			
4:36	12/11	S		L3-Surface	1							X				
4:39				L3-1'	2											
4:42				L3-2'	3											
4:45				L3-3'	4											
4:49				L3-4'	5											
4:56				LN3-Surface	6											
4:59				LN3-1'	7											
5:00				LN3-2'	8											
5:11				LN3-3'	9											
5:17				LN3-4'	10											
Additional Instructions: Billing # 21165284																
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>Carine Arame</u> Date <u>12-12-24</u> Time <u>1615</u> Received by: (Signature) <u>Michelle Gonzales</u> Date <u>12-12-24</u> Time <u>1400</u> Received on Ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N																
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>12-12-24</u> Time <u>1615</u> Received by: (Signature) <u>[Signature]</u> Date <u>12-12-24</u> Time <u>1615</u>																
Relinquished by: (Signature) <u>[Signature]</u> Date <u>12-12-24</u> Time <u>2245</u> Received by: (Signature) <u>Crittler</u> Date <u>12-13-24</u> Time <u>800</u>																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other <u>Crittler</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.																



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Draw Unit #153H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: <u>Dewon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>1-3023</u>		Lab Use Only Lab WO# <u>412097</u> Job Number <u>101056007</u>		TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>		EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
				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		State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>		Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
5:20	12/11	S		LES - Surface	11							<input checked="" type="checkbox"/>		
5:23				LES - 1'	12									
5:26				LES - 2'	13									
5:30				LES - 3'	14									
5:34				LES - 4'	15									
5:38				LS3 - Surface	16									
5:40				LS3 - 1'	17									
5:46				LS3 - 2'	18									
5:50				LS3 - 3'	19									
5:52				LS3 - 4'	20									

Additional Instructions: Billings # 21165284

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

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

Relinquished by: (Signature) <u>Karime Adams</u>	Date 12-12-24	Time 1615	Received by: (Signature) <u>Michelle Gonzales</u>	Date 12-12-24	Time 1400	Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ Avg Temp °C: <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date 12-12-24	Time 2243	Received by: (Signature) <u>John H.</u>	Date 12-12-24	Time 1615	
Relinquished by: (Signature) <u>John H.</u>	Date 12-12-24	Time 2243	Received by: (Signature) <u>Cristina</u>	Date 12-12-24	Time 1800	

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: 12/13/2024 10:12:32AM

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: 12/13/24 08:00 Work Order ID: E412097
Phone: (575) 631-6977 Date Logged In: 12/12/24 14:41 Logged In By: Caitlin Mars
Email: gio@pimaoil.com Due Date: 12/13/24 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: Courier

Comments/Resolution

No of containers and sampled by not provided on COC. Project Cotton Draw Unit #153H has been separated into 7 reports. WO are E412092 to E412098.

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

Empty box for client instruction.

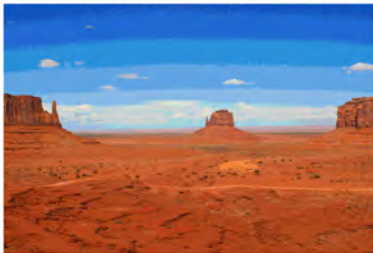
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E412098

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/16/24

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: 12/16/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 153H
Workorder: E412098
Date Received: 12/13/2024 8:00:04AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/24 12:18
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
LW3-Surface	E412098-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW3-1'	E412098-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW3-2'	E412098-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW3-3'	E412098-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW3-4'	E412098-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L4-Surface	E412098-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L4-1'	E412098-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L4-2'	E412098-08A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L4-3'	E412098-09A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
L4-4'	E412098-10A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN4-Surface	E412098-11A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN4-1'	E412098-12A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN4-2'	E412098-13A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN4-3'	E412098-14A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LN4-4'	E412098-15A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE4-Surface	E412098-16A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE4-1'	E412098-17A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE4-2'	E412098-18A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE4-3'	E412098-19A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LE4-4'	E412098-20A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS4-Surface	E412098-21A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS4-1'	E412098-22A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS4-2'	E412098-23A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS4-3'	E412098-24A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LS4-4'	E412098-25A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW4-Surface	E412098-26A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW4-1'	E412098-27A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW4-2'	E412098-28A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW4-3'	E412098-29A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
LW4-4'	E412098-30A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW3-Surface
E412098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/15/24	
<i>Surrogate: n-Nonane</i>		118 %	50-200	12/12/24	12/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	34.4	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW3-1'

E412098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		85.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/15/24	
<i>Surrogate: n-Nonane</i>		119 %	50-200	12/12/24	12/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW3-2'

E412098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		86.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/15/24	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	12/12/24	12/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	21.0	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW3-3'

E412098-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.3 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/15/24	
<i>Surrogate: n-Nonane</i>						
		124 %	50-200	12/12/24	12/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	25.0	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW3-4'

E412098-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/15/24	
<i>Surrogate: n-Nonane</i>		116 %	50-200	12/12/24	12/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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L4-Surface
E412098-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		86.9 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/15/24	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	12/12/24	12/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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L4-1'

E412098-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>		118 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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L4-2'

E412098-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		86.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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L4-3'

E412098-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.7 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.5 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>		123 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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L4-4'

E412098-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>		131 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LN4-Surface
E412098-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		85.8 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>						
		122 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LN4-1'

E412098-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>		122 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LN4-2'

E412098-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		86.1 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.6 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LN4-3'

E412098-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/13/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/13/24	
Toluene	ND	0.0250	1	12/12/24	12/13/24	
o-Xylene	ND	0.0250	1	12/12/24	12/13/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/13/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.0 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.4 %	70-130	12/12/24	12/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>		130 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LN4-4'

E412098-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		85.3 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.4 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>						
		143 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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**LE4-Surface
E412098-16**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		85.1 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>		131 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LE4-1'

E412098-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		84.2 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>		134 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LE4-2'

E412098-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		84.8 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.4 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>						
		127 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LE4-3'

E412098-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		84.2 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.9 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LE4-4'

E412098-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		84.1 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2450113
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.7 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450104
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/16/24	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	12/12/24	12/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450121
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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**LS4-Surface
E412098-21**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450122
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LS4-1'

E412098-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450122
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LS4-2'

E412098-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		115 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450122
Chloride	118	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LS4-3'

E412098-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450122
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LS4-4'

E412098-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS		Batch: 2450114	
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.2 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		116 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2450114	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.2 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		116 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2450105	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2450122	
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW4-Surface

E412098-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.8 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.8 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2450122
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW4-1'

E412098-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		113 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450122
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW4-2'

E412098-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		117 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450122
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW4-3'

E412098-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		114 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450122
Chloride	ND	20.0	1	12/13/24	12/13/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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LW4-4'

E412098-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Benzene	ND	0.0250	1	12/12/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/12/24	12/14/24	
Toluene	ND	0.0250	1	12/12/24	12/14/24	
o-Xylene	ND	0.0250	1	12/12/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/12/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		115 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2450114
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/12/24	12/14/24	
<i>Surrogate: Bromofluorobenzene</i>		118 %	70-130	12/12/24	12/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	12/12/24	12/14/24	
<i>Surrogate: Toluene-d8</i>		115 %	70-130	12/12/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2450105
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/24	12/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/24	12/13/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/12/24	12/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2450122
Chloride	ND	20.0	1	12/13/24	12/13/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450114-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

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	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.559		0.500		112	70-130			

LCS (2450114-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	2.56	0.0250	2.50		102	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.62	0.0250	2.50		105	70-130			
o-Xylene	2.71	0.0250	2.50		108	70-130			
p,m-Xylene	5.40	0.0500	5.00		108	70-130			
Total Xylenes	8.11	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.586		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			

LCS Dup (2450114-BSD1)

Prepared: 12/12/24 Analyzed: 12/14/24

Benzene	2.59	0.0250	2.50		104	70-130	1.24	23	
Ethylbenzene	2.66	0.0250	2.50		106	70-130	1.25	27	
Toluene	2.63	0.0250	2.50		105	70-130	0.610	24	
o-Xylene	2.77	0.0250	2.50		111	70-130	2.03	27	
p,m-Xylene	5.52	0.0500	5.00		110	70-130	2.26	27	
Total Xylenes	8.29	0.0250	7.50		111	70-130	2.18	27	
Surrogate: Bromofluorobenzene	0.596		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450113-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

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	6.92		8.00		86.5	70-130			

LCS (2450113-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	4.97	0.0250	5.00		99.3	70-130			
Ethylbenzene	4.74	0.0250	5.00		94.8	70-130			
Toluene	4.87	0.0250	5.00		97.4	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.62	0.0500	10.0		96.2	70-130			
Total Xylenes	14.4	0.0250	15.0		95.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.04		8.00		88.0	70-130			

LCS Dup (2450113-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Benzene	5.08	0.0250	5.00		102	70-130	2.32	20	
Ethylbenzene	4.85	0.0250	5.00		96.9	70-130	2.19	20	
Toluene	4.98	0.0250	5.00		99.6	70-130	2.23	20	
o-Xylene	4.83	0.0250	5.00		96.5	70-130	2.03	20	
p,m-Xylene	9.83	0.0500	10.0		98.2	70-130	2.08	20	
Total Xylenes	14.7	0.0250	15.0		97.7	70-130	2.06	20	
Surrogate: 4-Bromochlorobenzene-PID	6.88		8.00		86.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450113-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

LCS (2450113-BS2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		87.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			

LCS Dup (2450113-BSD2)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		86.0	70-130	1.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450114-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.559		0.500		112	70-130			

LCS (2450114-BS2)

Prepared: 12/12/24 Analyzed: 12/14/24

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130			
Surrogate: Bromofluorobenzene	0.605		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			

LCS Dup (2450114-BSD2)

Prepared: 12/12/24 Analyzed: 12/14/24

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130	4.31	20	
Surrogate: Bromofluorobenzene	0.600		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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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
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Blank (2450104-BLK1)

Prepared: 12/12/24 Analyzed: 12/15/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.1		50.0		122	50-200			

LCS (2450104-BS1)

Prepared: 12/12/24 Analyzed: 12/15/24

Diesel Range Organics (C10-C28)	313	25.0	250		125	38-132			
Surrogate: n-Nonane	65.7		50.0		131	50-200			

LCS Dup (2450104-BSD1)

Prepared: 12/12/24 Analyzed: 12/15/24

Diesel Range Organics (C10-C28)	301	25.0	250		121	38-132	3.90	20	
Surrogate: n-Nonane	61.0		50.0		122	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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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
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Blank (2450105-BLK1)

Prepared: 12/12/24 Analyzed: 12/13/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	50-200			

LCS (2450105-BS1)

Prepared: 12/12/24 Analyzed: 12/13/24

Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	53.9		50.0		108	50-200			

LCS Dup (2450105-BSD1)

Prepared: 12/12/24 Analyzed: 12/13/24

Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132	1.58	20	
Surrogate: n-Nonane	53.7		50.0		107	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450121-BLK1)

Prepared: 12/13/24 Analyzed: 12/13/24

Chloride	ND	20.0							
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LCS (2450121-BS1)

Prepared: 12/13/24 Analyzed: 12/13/24

Chloride	257	20.0	250		103	90-110			
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LCS Dup (2450121-BSD1)

Prepared: 12/13/24 Analyzed: 12/13/24

Chloride	257	20.0	250		103	90-110	0.0790	20	
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QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 12/16/2024 12:18:06PM
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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
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Blank (2450122-BLK1)

Prepared: 12/13/24 Analyzed: 12/13/24

Chloride	ND	20.0							
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LCS (2450122-BS1)

Prepared: 12/13/24 Analyzed: 12/13/24

Chloride	254	20.0	250		102	90-110			
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LCS Dup (2450122-BSD1)

Prepared: 12/13/24 Analyzed: 12/13/24

Chloride	254	20.0	250		102	90-110	0.00590	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	12/16/24 12:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Draw Unit #1234 Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-302-3		Lab Use Only Lab WQ# 242098 Lab Number 100580007		TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		State NM CO UT AZ TX		Remarks		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
5:58	12/11	S		LW3-Surface	1									
5:59				LW3-1'	2									
6:00				LW3-2'	3									
6:06				LW3-3'	4									
6:11				LW3-4'	5									
6:16				L4-Surface	6									
6:20				L4-1'	7									
6:24				L4-2'	8									
6:28				L4-3'	9									
6:30				L4-4'	10									

Additional Instructions: Billing # 21165284

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.

Relinquished by: (Signature) Karine Anne	Date 12-12-24	Time 1615	Received by: (Signature) Michelle Gonzales	Date 12-12-24	Time 1400	Lab Use Only Received on Ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature) Michelle Gonzales	Date 12-12-24	Time 1615	Received by: (Signature) John A.	Date 12-12-24	Time 1613	
Relinquished by: (Signature) John A.	Date 12-12-24	Time 2245	Received by: (Signature) Caitlin	Date 12-12-24	Time 800	

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

Client: Pima Environmental Services Project: Cotton Draw Unit #153H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:	Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-302-3	Lab Use Only Lab WO# 242098 Lab Number 21058-0057 Analysis and Method	TAT 1D 2D 3D Standard	EPA Program CWA SDWA RCRA State NM CO UT AZ TX
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
6:32	12/11	S		LN4 - Surface	11							X		
6:34				LN4 -1'	12									
6:38				LN4 -2'	13									
6:40				LN4 -3'	14									
6:42				LN4 -4'	15									
6:48				LE4 - Surface	16									
6:50				LE4 -1'	17									
6:51				LE4 -2'	18									
6:53				LE4 -3'	19									
6:58				LE4 -4'	20									

Additional Instructions: Billing # 21165284

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) Karim Adame	Date 12-12-24	Time 14:00	Received by: (Signature) Michelle Gonzales	Date 12-12-24	Time 14:00	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N Avg Temp: 4
Relinquished by: (Signature) Michelle Gonzales	Date 12-12-24	Time 16:15	Received by: (Signature) John N.	Date 12-12-24	Time 16:15	
Relinquished by: (Signature) John N.	Date 12-12-24	Time 22:48	Received by: (Signature) Caitlin Mann	Date 12-13-24	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.



Project Information

Chain of Custody

Client: Pima Environmental Services Project: Cotton Draw Unit #153H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:	Bill To Attention: Devon	Lab Use Only Lab WO# 412098 Job Number 61053-001	TAT 1D 2D 3D			EPA Program CWA SDWA	
	Address: City, State, Zip Phone: Email: Pima Project # 1-302-3	Analysis and Method			RCRA		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State					Remarks
														NM	CO	UT	AZ	TX	
7:00	12/11	S		LS4-Surface	21							X							
7:11				LS4-1'	22														
7:19				LS4-2'	23														
7:20				LS4-3'	24														
7:28				LS4-4'	25														
7:33				LW4-Surface	26														
7:41				LW4-1'	27														
7:48				LW4-2'	28														
7:56				LW4-3'	29														
8:00				LW4-4'	30														

Additional Instructions: Billing # 21165284

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) Karime Adams	Date 12-12-24	Time 1605	Received by: (Signature) Michelle Gonzales	Date 12-12-24	Time 1400	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N Avg Temp: 4
Relinquished by: (Signature) Michelle Gonzales	Date 12-12-24	Time 2245	Received by: (Signature) John H.	Date 12-12-24	Time 1615	
Relinquished by: (Signature) John H.	Date 12-12-24	Time 2245	Received by: (Signature) Caitlin Mann	Date 12-13-24	Time 800	

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: 12/13/2024 10:14:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	12/13/24 08:00	Work Order ID:	E412098
Phone:	(575) 631-6977	Date Logged In:	12/12/24 14:41	Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	12/13/24 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: Courier

Comments/Resolution

No of containers and sampled by not provided on COC. Project Cotton Draw Unit #153H has been separated into 7 reports. WO are E412092 to E412098.

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

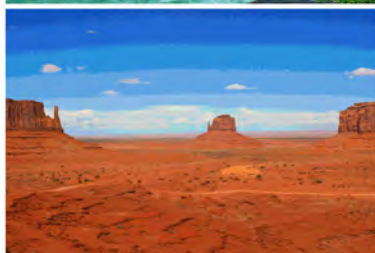
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cotton Draw Unit #153H

Work Order: E502079

Job Number: 01058-0007

Received: 2/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

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Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
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Date Reported: 2/14/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cotton Draw Unit #153H
Workorder: E502079
Date Received: 2/11/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/11/2025 7:30:00AM, under the Project Name: Cotton Draw Unit #153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cotton Draw Unit #153H
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
02/14/25 12:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E502079-01A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH01 1'	E502079-02A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH01 2'	E502079-03A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH01 3'	E502079-04A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH01 4'	E502079-05A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH02 0.5'	E502079-06A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH02 1'	E502079-07A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH02 2'	E502079-08A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH02 3'	E502079-09A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH02 4'	E502079-10A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH03 0.5'	E502079-11A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH03 1'	E502079-12A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH03 2'	E502079-13A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH03 3'	E502079-14A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH03 4'	E502079-15A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH04 0.5'	E502079-16A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH04 1'	E502079-17A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH04 2'	E502079-18A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH04 3'	E502079-19A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH04 4'	E502079-20A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH01 0.5'
E502079-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2507046
Chloride	21.7	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH01 1'
E502079-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	139	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH01 2'
E502079-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		91.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		91.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	281	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH01 3'
E502079-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	397	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH01 4'
E502079-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	972	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH02 0.5'

E502079-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH02 1'

E502079-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	45.8	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH02 2'
E502079-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	89.2	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH02 3'
E502079-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	381	20.0	1	02/11/25	02/11/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH02 4'
E502079-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	84.5	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH03 0.5'
E502079-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	42.5	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH03 1'
E502079-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	191	20.0	1	02/11/25	02/11/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH03 2'
E502079-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH03 3'

E502079-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	602	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH03 4'

E502079-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	41.7	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH04 0.5'

E502079-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	66.6	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	64.1	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	38.2	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH04 1'
E502079-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		91.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		91.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	199	20.0	1	02/11/25	02/11/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH04 2'
E502079-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	200	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH04 3'
E502079-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	198	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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BH04 4'
E502079-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507038
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507042
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507046
Chloride	21.1	20.0	1	02/11/25	02/12/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD % %	RPD Limit %	Notes
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Blank (2507038-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

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: Bromofluorobenzene	0.478		0.500		95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2507038-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.17	0.0250	2.50		86.7	70-130			
Ethylbenzene	2.19	0.0250	2.50		87.7	70-130			
Toluene	2.22	0.0250	2.50		89.0	70-130			
o-Xylene	2.21	0.0250	2.50		88.4	70-130			
p,m-Xylene	4.38	0.0500	5.00		87.6	70-130			
Total Xylenes	6.59	0.0250	7.50		87.9	70-130			
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.534		0.500		107	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike (2507038-MS1)

Source: E502079-04

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.22	0.0250	2.50	ND	88.7	48-131			
Ethylbenzene	2.22	0.0250	2.50	ND	88.9	45-135			
Toluene	2.24	0.0250	2.50	ND	89.7	48-130			
o-Xylene	2.32	0.0250	2.50	ND	92.6	43-135			
p,m-Xylene	4.56	0.0500	5.00	ND	91.2	43-135			
Total Xylenes	6.88	0.0250	7.50	ND	91.7	43-135			
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.532		0.500		106	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2507038-MSD1)

Source: E502079-04

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.27	0.0250	2.50	ND	90.8	48-131	2.36	23	
Ethylbenzene	2.31	0.0250	2.50	ND	92.5	45-135	4.03	27	
Toluene	2.30	0.0250	2.50	ND	92.2	48-130	2.70	24	
o-Xylene	2.42	0.0250	2.50	ND	96.6	43-135	4.21	27	
p,m-Xylene	4.77	0.0500	5.00	ND	95.4	43-135	4.50	27	
Total Xylenes	7.19	0.0250	7.50	ND	95.8	43-135	4.40	27	
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.528		0.500		106	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507038-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.478		0.500		95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2507038-BS2)

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

Matrix Spike (2507038-MS2)

Source: E502079-04

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.5	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike Dup (2507038-MSD2)

Source: E502079-04

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.8	70-130	0.258	20	
Surrogate: Bromofluorobenzene	0.465		0.500		93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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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
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Blank (2507042-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	52.9		50.0		106	61-141			

LCS (2507042-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: <i>n-Nonane</i>	53.9		50.0		108	61-141			

Matrix Spike (2507042-MS1)

Source: E502079-08

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156			
Surrogate: <i>n-Nonane</i>	58.4		50.0		117	61-141			

Matrix Spike Dup (2507042-MSD1)

Source: E502079-08

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	56-156	2.63	20	
Surrogate: <i>n-Nonane</i>	57.2		50.0		114	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:33:17PM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507046-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride ND 20.0

LCS (2507046-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 255 20.0 250 102 90-110

Matrix Spike (2507046-MS1)

Source: E502079-05

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 1230 20.0 250 972 105 80-120

Matrix Spike Dup (2507046-MSD1)

Source: E502079-05

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 1240 20.0 250 972 107 80-120 0.418 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

Devon Energy - Carlsbad	Project Name:	Cotton Draw Unit #153H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/14/25 12:33

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: Devon Energy					Bill To					Lab Use Only					TAT			EPA Program						
Project: Cotton Draw Unit #153H					Attention: Jim Raley					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.					E502019		01058-0007						5 day TAT						
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220					Analysis and Method														RCRA
City, State, Zip: Odessa, TX, 79765					Phone: 575-885-7502					Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300 0	BGDOC NM	GDOC TX	State						
Phone: (432) 305-6415					Email: jim.raley@dvn.com													NM	CO	UT	AZ	TX		
Email: Devon-team@etechnv.com					WO: 21494799																			
Project #: 21772					Incident ID: NAB1911658680																			
Collected by: Edyte Konan																								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300 0	BGDOC NM	GDOC TX	Remarks										
10:00	02.05.25	S	1	BH01	1	0.5'						X												
10:10	02.05.25	S	1	BH01	2	1'						X												
10:20	02.05.25	S	1	BH01	3	2'						X												
10:30	02.05.25	S	1	BH01	4	3'						X												
10:40	02.05.25	S	1	BH01	5	4'						X												
11:00	02.05.25	S	1	BH02	6	0.5'						X												
11:10	02.05.25	S	1	BH02	7	1'						X												
11:20	02.05.25	S	1	BH02	8	2'						X												
11:30	02.05.25	S	1	BH02	9	3'						X												
11:40	02.05.25	S	1	BH02	10	4'						X												
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: GM					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												
<i>[Signature]</i>		02/10/25		8:00		<i>Michelle Gonzales</i>		2-10-25		0800		Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1		T2		T3								
<i>Michelle Gonzales</i>		2-10-25		1630		<i>Cautionman</i>		2-11-25		730														
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C												
												4												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								

Client: Devon Energy					Bill To					Lab Use Only					TAT				EPA Program				
Project: Cotton Draw Unit #153H					Attention: Jim Raley					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.					E502079		D10580007						5 day TAT					
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220					Analysis and Method												RCRA	
City, State, Zip: Odessa, TX, 79765					Phone: 575-885-7502					Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State					
Phone: (432) 305-6415					Email: jim.raley@dvn.com													NM	CO	UT	AZ	TX	
Email: Devon-team@etechnv.com					WO: 21494799																		
Project #: 21772					Incident ID: NAB1911658680																		
Collected by: Edyte Konan																							
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks									
12:00	02.05.25	S	1	BH03	11	0.5'						X											
12:10	02.05.25	S	1	BH03	12	1'						X											
12:20	02.05.25	S	1	BH03	13	2'						X											
12:30	02.05.25	S	1	BH03	14	3'						X											
12:40	02.05.25	S	1	BH03	15	4'						X											
12:50	02.05.25	S	1	BH04	16	0.5'						X											
13:00	02.05.25	S	1	BH04	17	1'						X											
13:10	02.05.25	S	1	BH04	18	2'						X											
13:20	02.05.25	S	1	BH04	19	3'						X											
13:30	02.05.25	S	1	BH04	20	4'						X											
Additional Instructions:																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Sampled by: GM		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															
<i>[Signature]</i>		02/10/25	8:00	Michelle Gonzales		2-10-25	0800	Received on Ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____															
Michelle Gonzales		2-10-25	1630	<i>[Signature]</i>		2-11-25	730	AVG Temp °C <u>4</u>															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															
								Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



Envirotech Analytical Laboratory

Printed: 2/11/2025 10:00:08AM

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:	Devon Energy - Carlsbad	Date Received:	02/11/25 07:30	Work Order ID:	E502079
Phone:	(575) 748-0176	Date Logged In:	02/11/25 07:59	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	02/17/25 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? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

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

Comments/Resolution

Project Cotton Draw Unit #153H Has been separated into 5 reports due to sample volume. WOs are E502079 to E502083.

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:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cotton Draw Unit #153H

Work Order: E502080

Job Number: 01058-0007

Received: 2/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/14/25

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: 2/14/25



Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cotton Draw Unit #153H
Workorder: E502080
Date Received: 2/11/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/11/2025 7:30:00AM, under the Project Name: Cotton Draw Unit #153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cotton Draw Unit #153H
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
02/14/25 12:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 0.5'	E502080-01A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH05 1'	E502080-02A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH05 2'	E502080-03A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH05 3'	E502080-04A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH05 4'	E502080-05A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH06 0.5'	E502080-06A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH06 1'	E502080-07A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH06 2'	E502080-08A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH06 3'	E502080-09A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH06 4'	E502080-10A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH07 0.5'	E502080-11A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH07 1'	E502080-12A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH07 2'	E502080-13A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH07 3'	E502080-14A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH07 4'	E502080-15A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH08 0.5'	E502080-16A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH08 1'	E502080-17A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH08 2'	E502080-18A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH08 3'	E502080-19A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH08 4'	E502080-20A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH05 0.5'
E502080-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL		Batch: 2507039	
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2507039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2507045	
Diesel Range Organics (C10-C28)	76.4	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	71.6	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/11/25	02/12/25	

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2507053	
Chloride	36.6	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH05 1'
E502080-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507053
Chloride	129	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH05 2'
E502080-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	26.4	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	ND	20.0	1	02/11/25	02/11/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH05 3'
E502080-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	20.4	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH05 4'
E502080-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/11/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/11/25	
Toluene	ND	0.0250	1	02/11/25	02/11/25	
o-Xylene	ND	0.0250	1	02/11/25	02/11/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/11/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/11/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/11/25	02/11/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/11/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/11/25	02/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2507053
Chloride	21.4	20.0	1	02/11/25	02/11/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH06 0.5'

E502080-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	58.9	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	54.9	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2507053
Chloride	39.0	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH06 1'
E502080-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	134	20.0	1	02/11/25	02/11/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH06 2'
E502080-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH06 3'
E502080-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		124 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	23.5	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH06 4'
E502080-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	234	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH07 0.5'
E502080-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		118 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH07 1'

E502080-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	130	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH07 2'
E502080-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	266	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH07 3'

E502080-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	20.7	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH07 4'

E502080-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507053
Chloride	22.2	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH08 0.5'

E502080-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH08 1'

E502080-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	134	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH08 2'
E502080-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507053
Chloride	266	20.0	1	02/11/25	02/11/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH08 3'

E502080-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507053
Chloride	20.0	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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BH08 4'
E502080-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507039
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2507045
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507053
Chloride	21.2	20.0	1	02/11/25	02/11/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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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
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Blank (2507039-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

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: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2507039-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.46	0.0250	2.50		98.2	70-130			
Ethylbenzene	2.48	0.0250	2.50		99.3	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.45	0.0250	2.50		98.0	70-130			
p,m-Xylene	5.11	0.0500	5.00		102	70-130			
Total Xylenes	7.56	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.534		0.500		107	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike (2507039-MS1)

Source: E502080-05

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.36	0.0250	2.50	ND	94.6	48-131			
Ethylbenzene	2.41	0.0250	2.50	ND	96.5	45-135			
Toluene	2.54	0.0250	2.50	ND	102	48-130			
o-Xylene	2.39	0.0250	2.50	ND	95.4	43-135			
p,m-Xylene	4.99	0.0500	5.00	ND	99.8	43-135			
Total Xylenes	7.38	0.0250	7.50	ND	98.3	43-135			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike Dup (2507039-MSD1)

Source: E502080-05

Prepared: 02/11/25 Analyzed: 02/11/25

Benzene	2.44	0.0250	2.50	ND	97.6	48-131	3.18	23	
Ethylbenzene	2.47	0.0250	2.50	ND	98.6	45-135	2.17	27	
Toluene	2.57	0.0250	2.50	ND	103	48-130	1.11	24	
o-Xylene	2.49	0.0250	2.50	ND	99.5	43-135	4.15	27	
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135	3.82	27	
Total Xylenes	7.67	0.0250	7.50	ND	102	43-135	3.93	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.540		0.500		108	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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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
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Blank (2507039-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2507039-BS2)

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	54.5	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2507039-MS2)

Source: E502080-05

Prepared: 02/11/25 Analyzed: 02/11/25

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike Dup (2507039-MSD2)

Source: E502080-05

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	2.55	20	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.526		0.500		105	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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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
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Blank (2507045-BLK1)

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	56.7		50.0		113	61-141			

LCS (2507045-BS1)

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	292	25.0	250		117	66-144			
Surrogate: <i>n</i> -Nonane	57.0		50.0		114	61-141			

Matrix Spike (2507045-MS1)

Source: E502080-13

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	56-156			
Surrogate: <i>n</i> -Nonane	55.0		50.0		110	61-141			

Matrix Spike Dup (2507045-MSD1)

Source: E502080-13

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	56-156	0.0453	20	
Surrogate: <i>n</i> -Nonane	55.9		50.0		112	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/14/2025 12:25:35PM
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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
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Blank (2507053-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride ND 20.0

LCS (2507053-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 253 20.0 250 101 90-110

Matrix Spike (2507053-MS1)

Source: E502080-10

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 490 20.0 250 234 103 80-120

Matrix Spike Dup (2507053-MSD1)

Source: E502080-10

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 491 20.0 250 234 103 80-120 0.166 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

Devon Energy - Carlsbad	Project Name:	Cotton Draw Unit #153H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/14/25 12:25

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: Devon Energy				Bill To				Lab Use Only				TAT			EPA Program						
Project: Cotton Draw Unit #153H				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E502080		1057-0007					5 day TAT						
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220				Analysis and Method										RCRA			
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502				Depth(ft.)	TPH GR0/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State					
Phone: (432) 305-6415				Email: Jim.raley@dvn.com												NM	CO	UT	AZ	TX	
Email: Devon-team@etechnv.com				WO: 21494799																	
Project #: 21772				Incident ID: NAB1911658680																	
Collected by: Edyte Konan																					
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GR0/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks							
10:00	02.06.25	S	1	BH05	1	0.5'						X									
10:10	02.06.25	S	1	BH05	2	1'						X									
10:20	02.06.25	S	1	BH05	3	2'						X									
10:30	02.06.25	S	1	BH05	4	3'						X									
10:40	02.06.25	S	1	BH05	5	4'						X									
10:50	02.06.25	S	1	BH06	6	0.5'						X									
11:00	02.06.25	S	1	BH06	7	1'						X									
11:10	02.06.25	S	1	BH06	8	2'						X									
11:20	02.06.25	S	1	BH06	9	3'						X									
11:30	02.06.25	S	1	BH06	10	4'						X									
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: GM										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N													
<i>[Signature]</i>		02/10/25	8:00	Michelle Gonzales		2-10-25	0800														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____													
Michelle Gonzales		2-10-25	1630	<i>[Signature]</i>		2-11-25	1300														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C 4													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Client: Devon Energy				Bill To				Lab Use Only				TAT				EPA Program				
Project: Cotton Draw Unit #153H				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E5020R0		01058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220				Analysis and Method										RCRA		
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502				Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC NIM	GDOC TX	State				
Phone: (432) 305-6415				Email: jim.raley@dvn.com												NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 21494799																
Project #: 21772				Incident ID: NAB1911658680																
Collected by: Edyte Konan																				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC NIM	GDOC TX	Remarks						
11:50	02.06.25	S	1	BH07	11	0.5'						X								
12:00	02.06.25	S	1	BH07	12	1'						X								
12:10	02.06.25	S	1	BH07	13	2'						X								
12:20	02.06.25	S	1	BH07	14	3'						X								
12:30	02.06.25	S	1	BH07	15	4'						X								
12:40	02.06.25	S	1	BH08	16	0.5'						X								
12:50	02.06.25	S	1	BH08	17	1'						X								
13:00	02.06.25	S	1	BH08	18	2'						X								
13:10	02.06.25	S	1	BH08	19	3'						X								
13:20	02.06.25	S	1	BH08	20	4'						X								
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.										
Relinquished by: (Signature) <i>[Signature]</i>										Lab Use Only										
Date		Time		Received by: (Signature)				Date		Time		Received on Ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N								
02/10/25		8:00		Michelle Gonzales				2-10-25		0800										
Relinquished by: (Signature) Michelle Gonzales										T1 _____ T2 _____ T3 _____										
Date		Time		Received by: (Signature)				Date		Time		AVG Temp °C <u>4</u>								
2-10-25		1630		Caitlin Man																
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: 2/11/2025 10:04:53AM

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: Devon Energy - Carlsbad Date Received: 02/11/25 07:30 Work Order ID: E502080
Phone: (575) 748-0176 Date Logged In: 02/11/25 08:04 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 02/17/25 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? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

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

Comments/Resolution

Project Cotton Draw Unit #153H Has been separated into 5 reports due to sample volume. WOs are E502079 to E502083.

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

Empty box for client instruction.

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

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cotton Draw Unit #153H

Work Order: E502081

Job Number: 01058-0007

Received: 2/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/17/25

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: 2/17/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cotton Draw Unit #153H
Workorder: E502081
Date Received: 2/11/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/11/2025 7:30:00AM, under the Project Name: Cotton Draw Unit #153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cotton Draw Unit #153H
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
02/17/25 10:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH09 0.5'	E502081-01A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH09 1'	E502081-02A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH09 2'	E502081-03A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH09 3'	E502081-04A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH09 4'	E502081-05A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH10 0.5'	E502081-06A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH10 1'	E502081-07A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH10 2'	E502081-08A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH10 3'	E502081-09A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH10 4'	E502081-10A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH11 0.5'	E502081-11A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH11 1'	E502081-12A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH11 2'	E502081-13A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH11 3'	E502081-14A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH11 4'	E502081-15A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH12 0.5'	E502081-16A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH12 1'	E502081-17A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH12 2'	E502081-18A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH12 3'	E502081-19A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH12 4'	E502081-20A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH09 0.5'
E502081-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/14/25	
Toluene	ND	0.0250	1	02/11/25	02/14/25	
o-Xylene	ND	0.0250	1	02/11/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.9 %	70-130	02/11/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	02/11/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>						
		116 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	40.4	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH09 1'

E502081-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.3 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2507054
Chloride	141	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH09 2'

E502081-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		83.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.0 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	284	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH09 3'

E502081-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		84.9 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH09 4'

E502081-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.6 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2507054
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH10 0.5'

E502081-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	41.3	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH10 1'

E502081-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.4 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	147	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH10 2'

E502081-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.5 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	268	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH10 3'

E502081-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.3 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	ND	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH10 4'

E502081-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.1 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.5 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>						
		122 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	ND	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH11 0.5'
E502081-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		86.9 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.4 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	962	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	942	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>						
		117 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	317	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH11 1'

E502081-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.1 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.0 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		122 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	787	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH11 2'

E502081-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	720	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH11 3'

E502081-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.3 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	45.8	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		124 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	1200	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH11 4'

E502081-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.9 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		123 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	1060	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH12 0.5'

E502081-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2507054
Chloride	ND	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH12 1'

E502081-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.9 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	ND	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH12 2'
E502081-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.6 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	ND	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH12 3'

E502081-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.9 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.9 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2507054
Chloride	27.9	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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BH12 4'

E502081-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507050
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2507054
Chloride	586	20.0	1	02/11/25	02/12/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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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
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Blank (2507040-BLK1)

Prepared: 02/11/25 Analyzed: 02/13/25

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	7.03		8.00		87.9	70-130			

LCS (2507040-BS1)

Prepared: 02/11/25 Analyzed: 02/13/25

Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.11		8.00		88.8	70-130			

Matrix Spike (2507040-MS1)

Source: E502081-06

Prepared: 02/11/25 Analyzed: 02/13/25

Benzene	5.05	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.7	61-133			
Toluene	4.99	0.0250	5.00	ND	99.8	61-130			
o-Xylene	4.87	0.0250	5.00	ND	97.3	63-131			
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.05		8.00		88.2	70-130			

Matrix Spike Dup (2507040-MSD1)

Source: E502081-06

Prepared: 02/11/25 Analyzed: 02/13/25

Benzene	5.29	0.0250	5.00	ND	106	54-133	4.69	20	
Ethylbenzene	5.10	0.0250	5.00	ND	102	61-133	4.25	20	
Toluene	5.21	0.0250	5.00	ND	104	61-130	4.31	20	
o-Xylene	5.08	0.0250	5.00	ND	102	63-131	4.31	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	4.28	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.29	20	
Surrogate: 4-Bromochlorobenzene-PID	7.03		8.00		87.8	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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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
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Blank (2507040-BLK1)

Prepared: 02/11/25 Analyzed: 02/13/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			

LCS (2507040-BS2)

Prepared: 02/11/25 Analyzed: 02/13/25

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		86.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.1	70-130			

Matrix Spike (2507040-MS2)

Source: E502081-06

Prepared: 02/11/25 Analyzed: 02/14/25

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2507040-MSD2)

Source: E502081-06

Prepared: 02/11/25 Analyzed: 02/14/25

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.7	70-130	1.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.7	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507050-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	63.3		50.0		127	61-141			

LCS (2507050-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	294	25.0	250		118	66-144			
Surrogate: <i>n</i> -Nonane	58.0		50.0		116	61-141			

Matrix Spike (2507050-MS1)

Source: E502081-01

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	304	25.0	250	ND	122	56-156			
Surrogate: <i>n</i> -Nonane	60.4		50.0		121	61-141			

Matrix Spike Dup (2507050-MSD1)

Source: E502081-01

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	316	25.0	250	ND	126	56-156	3.88	20	
Surrogate: <i>n</i> -Nonane	62.6		50.0		125	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:07:04AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507054-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride ND 20.0

LCS (2507054-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 260 20.0 250 104 90-110

Matrix Spike (2507054-MS1)

Source: E502081-04

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 261 20.0 250 ND 104 80-120

Matrix Spike Dup (2507054-MSD1)

Source: E502081-04

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 261 20.0 250 ND 104 80-120 0.0414 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

Devon Energy - Carlsbad	Project Name:	Cotton Draw Unit #153H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/17/25 10:07

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: Devon Energy				Bill To				Lab Use Only				TAT				EPA Program									
Project: Cotton Draw Unit #153H				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA								
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E502081		01058-0007					5 day TAT										
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220				Analysis and Method												RCRA					
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502				Depth (ft.)	TPH GRO/DRO/DORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300 0	BGDOC NM	TX DOOC	State									
Phone: (432) 305-6415				Email: jim.raley@dvn.com												NM	CO	UT	AZ	TX					
Email: Devon-team@etechnv.com				WO: 21494799																					
Project #: 21772				Incident ID: NAB1911658680																					
Collected by: Edyte Konan																									
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/DORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300 0	BGDOC NM	TX DOOC	Remarks											
13:40	02.06.25	S	1	BH09	1	0.5'						X													
13:50	02.06.25	S	1	BH09	2	1'						X													
14:00	02.06.25	S	1	BH09	3	2'						X													
14:10	02.06.25	S	1	BH09	4	3'						X													
14:20	02.06.25	S	1	BH09	5	4'						X													
14:30	02.06.25	S	1	BH10	6	0.5'						X													
14:40	02.06.25	S	1	BH10	7	1'						X													
14:50	02.06.25	S	1	BH10	8	2'						X													
15:00	02.06.25	S	1	BH10	9	3'						X													
15:10	02.06.25	S	1	BH10	10	4'						X													
Additional Instructions:																									
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.													
Reinquired by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only																	
<i>[Signature]</i>		02/10/25	8:00	Michelle Gonzales		2-10-25	0800	Received on Ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N																	
Reinquired by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____																	
Michelle Gonzales		2-10-25	1630	Caitlin Man		2-11-25	7:30	AVG Temp °C <u>4</u>																	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																									



envirotech

Client: Devon Energy				Bill To				Lab Use Only				TAT				EPA Program					
Project: Cotton Draw Unit #153H				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E502081		01058.007					5 day TAT						
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220				Analysis and Method										RCRA			
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502				Depth(ft.)	TPH GRD/DRO/OHO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300 0	BGDOC NM	GDOC TX	State					
Phone: (432) 305-6415				Email: jim.raley@dvn.com												NM	CO	UT	AZ	TX	
Email: Devon-team@etechnv.com				WO: 21494799																	
Project #: 21772				Incident ID: NAB1911658680																	
Collected by: Edyte Konan																					
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRD/DRO/OHO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300 0	BGDOC NM	GDOC TX	Remarks							
9:00	02.07.25	S	1	BH11	11	0.5'						X									
9:10	02.07.25	S	1	BH11	12	1'						X									
9:20	02.07.25	S	1	BH11	13	2'						X									
9:30	02.07.25	S	1	BH11	14	3'						X									
9:40	02.07.25	S	1	BH11	15	4'						X									
10:00	02.07.25	S	1	BH12	16	0.5'						X									
10:10	02.07.25	S	1	BH12	17	1'						X									
10:20	02.07.25	S	1	BH12	18	2'						X									
10:30	02.07.25	S	1	BH12	19	3'						X									
10:40	02.07.25	S	1	BH12	20	4'						X									
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Sampled by: GM							Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only				Received on Ice: <input checked="" type="radio"/> Y <input type="radio"/> N									
<i>[Signature]</i>		02/10/25	8:00	Michelle Gonzales		2-10-25	0800														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1				T2									
Michelle Gonzales		2-10-25	1630	<i>[Signature]</i>		2-11-25	730														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C				4									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



Envirotech Analytical Laboratory

Printed: 2/11/2025 10:09:13AM

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: Devon Energy - Carlsbad Date Received: 02/11/25 07:30 Work Order ID: E502081
Phone: (575) 748-0176 Date Logged In: 02/11/25 08:08 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 02/17/25 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? 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: Courier

Comments/Resolution

Project Cotton Draw Unit #153H Has been separated into 5 reports due to sample volume. WOs are E502079 to E502083.

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

Empty box for client instruction.

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

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cotton Draw Unit #153H

Work Order: E502082

Job Number: 01058-0007

Received: 2/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/17/25

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: 2/17/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cotton Draw Unit #153H
Workorder: E502082
Date Received: 2/11/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/11/2025 7:30:00AM, under the Project Name: Cotton Draw Unit #153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cotton Draw Unit #153H
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
02/17/25 12:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH13 0.5'	E502082-01A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH13 1'	E502082-02A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH13 2'	E502082-03A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH13 3'	E502082-04A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH13 4'	E502082-05A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH14 0.5'	E502082-06A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH14 1'	E502082-07A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH14 2'	E502082-08A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH14 3'	E502082-09A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH14 4'	E502082-10A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH15 0.5'	E502082-11A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH15 1'	E502082-12A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH15 2'	E502082-13A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH15 3'	E502082-14A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH15 4'	E502082-15A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH16 0.5'	E502082-16A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH16 1'	E502082-17A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH16 2'	E502082-18A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH16 3'	E502082-19A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH16 4'	E502082-20A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH13 0.5'
E502082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2507057
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH13 1'

E502082-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH13 2'

E502082-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH13 3'

E502082-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		96.3 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		96.3 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		124 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	25.1	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH13 4'

E502082-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	52.8	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		118 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	36.6	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH14 0.5'

E502082-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	38.1	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	21.2	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH14 1'
E502082-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.5 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.5 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	25.6	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH14 2'
E502082-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	46.1	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH14 3'
E502082-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	46.8	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH14 4'
E502082-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	99.7	20.0	1	02/11/25	02/11/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH15 0.5'
E502082-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	62.1	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	26.2	20.0	1	02/11/25	02/11/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH15 1'
E502082-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.4 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.4 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH15 2'

E502082-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	23.2	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH15 3'
E502082-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		98.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH15 4'

E502082-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	133	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH16 0.5'

E502082-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		118 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	117	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH16 1'
E502082-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	54.7	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH16 2'
E502082-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	31.2	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH16 3'
E502082-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	ND	20.0	1	02/11/25	02/12/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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BH16 4'
E502082-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2507041
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507051
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		125 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507057
Chloride	56.7	20.0	1	02/11/25	02/12/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507041-BLK1)

Prepared: 02/11/25 Analyzed: 02/12/25

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: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

LCS (2507041-BS1)

Prepared: 02/11/25 Analyzed: 02/12/25

Benzene	2.14	0.0250	2.50		85.7	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.2	70-130			
Toluene	2.19	0.0250	2.50		87.6	70-130			
o-Xylene	2.23	0.0250	2.50		89.2	70-130			
p,m-Xylene	4.49	0.0500	5.00		89.8	70-130			
Total Xylenes	6.72	0.0250	7.50		89.6	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

Matrix Spike (2507041-MS1)

Source: E502082-03

Prepared: 02/11/25 Analyzed: 02/12/25

Benzene	2.23	0.0250	2.50	ND	89.2	48-131			
Ethylbenzene	2.35	0.0250	2.50	ND	94.0	45-135			
Toluene	2.26	0.0250	2.50	ND	90.3	48-130			
o-Xylene	2.30	0.0250	2.50	ND	91.9	43-135			
p,m-Xylene	4.60	0.0500	5.00	ND	92.0	43-135			
Total Xylenes	6.90	0.0250	7.50	ND	92.0	43-135			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

Matrix Spike Dup (2507041-MSD1)

Source: E502082-03

Prepared: 02/11/25 Analyzed: 02/12/25

Benzene	2.19	0.0250	2.50	ND	87.7	48-131	1.70	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.5	45-135	0.552	27	
Toluene	2.26	0.0250	2.50	ND	90.3	48-130	0.0221	24	
o-Xylene	2.31	0.0250	2.50	ND	92.3	43-135	0.500	27	
p,m-Xylene	4.62	0.0500	5.00	ND	92.4	43-135	0.412	27	
Total Xylenes	6.93	0.0250	7.50	ND	92.4	43-135	0.441	27	
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507041-BLK1)

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

LCS (2507041-BS2)

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

Matrix Spike (2507041-MS2)

Source: E502082-03

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

Matrix Spike Dup (2507041-MSD2)

Source: E502082-03

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	4.12	20	
Surrogate: Bromofluorobenzene	0.477		0.500		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507051-BLK1)

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.8		50.0		112	61-141			

LCS (2507051-BS1)

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	285	25.0	250		114	66-144			
Surrogate: <i>n</i> -Nonane	58.0		50.0		116	61-141			

Matrix Spike (2507051-MS1)

Source: E502082-13

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	56-156			
Surrogate: <i>n</i> -Nonane	59.1		50.0		118	61-141			

Matrix Spike Dup (2507051-MSD1)

Source: E502082-13

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	56-156	1.20	20	
Surrogate: <i>n</i> -Nonane	59.9		50.0		120	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 12:20:09PM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507057-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride ND 20.0

LCS (2507057-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 250 20.0 250 100 90-110

Matrix Spike (2507057-MS1)

Source: E502082-02

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 270 20.0 250 ND 108 80-120

Matrix Spike Dup (2507057-MSD1)

Source: E502082-02

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride 270 20.0 250 ND 108 80-120 0.136 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

Devon Energy - Carlsbad	Project Name:	Cotton Draw Unit #153H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/17/25 12:20

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: Devon Energy					Bill To					Lab Use Only					TAT				EPA Program			
Project: Cotton Draw Unit #153H					Attention: Jim Raley					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.					E502082		01058-005						5 day TAT				
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220					Analysis and Method												RCRA
City, State, Zip: Odessa, TX, 79765					Phone: 575-885-7502					Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC NM	GDOC TX	State				
Phone: (432) 305-6415					Email: jlm.raley@dvn.com													NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com					WO: 21494799																	
Project #: 21772					Incident ID: NAB1911658680																	
Collected by: Edyte Konan																						
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC NM	GDOC TX	Remarks								
11:00	02.07.25	S	1	BH13	1	0.5'						X										
11:10	02.07.25	S	1	BH13	2	1'						X										
11:20	02.07.25	S	1	BH13	3	2'						X										
11:30	02.07.25	S	1	BH13	4	3'						X										
11:40	02.07.25	S	1	BH13	5	4'						X										
11:50	02.07.25	S	1	BH14	6	0.5'						X										
12:00	02.07.25	S	1	BH14	7	1'						X										
12:10	02.07.25	S	1	BH14	8	2'						X										
12:20	02.07.25	S	1	BH14	9	3'						X										
12:30	02.07.25	S	1	BH14	10	4'						X										
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: GM					Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only		Received on Ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N												
<i>[Signature]</i>		02/10/25	8:00	Michelle Gonzales		2-10-25	0800															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1		T2		T3										
Michelle Gonzales		2-10-25	1630	<i>[Signature]</i>		2-11-25	730															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C		4												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						

Client: Devon Energy					Bill To					Lab Use Only					TAT					EPA Program																													
Project: Cotton Draw Unit #153H					Attention: Jim Raley					Lab WO# E502082					Job Number 010586057					1D 2D 3D Standard					CWA SDWA																								
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.															5 day TAT					RCRA																								
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220					Analysis and Method										State																													
City, State, Zip: Odessa, TX, 79765					Phone: 575-885-7502																																												
Phone: (432) 305-6415					Email: jim.raley@dvn.com					Depth (ft.)					TPH GRO/DRO/ORD by 8015					BTEX by 8021					VOC by 8260					Metals 6010					Chloride 300.0					BGDOC NM					GDOC TX				
Email: Devon-team@etechnv.com					WO: 21494799																																												
Project #: 21772					Incident ID: NAB1911658680																																												
Collected by: Edyte Konan																																																	
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORD by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks																																			
12:40	02.07.25	S	1	BH15	11	0.5'						X																																					
12:50	02.07.25	S	1	BH15	12	1'						X																																					
13:00	02.07.25	S	1	BH15	13	2'						X																																					
13:10	02.07.25	S	1	BH15	14	3'						X																																					
13:20	02.07.25	S	1	BH15	15	4'						X																																					
13:30	02.07.25	S	1	BH16	16	0.5'						X																																					
13:40	02.07.25	S	1	BH16	17	1'						X																																					
13:50	02.07.25	S	1	BH16	18	2'						X																																					
14:00	02.07.25	S	1	BH16	19	3'						X																																					
14:10	02.07.25	S	1	BH16	20	4'						X																																					
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: GM					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																																					
<i>[Signature]</i>		02/10/25		8:00		Michelle Gonzales		2-10-25		0800		Received on Ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____																																					
Michelle Gonzales		2-10-25		1630		Cathy Ma		2-11-25		730		AVG Temp °C 4																																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																																							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																																							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																																	



Envirotech Analytical Laboratory

Printed: 2/11/2025 10:12:53AM

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: Devon Energy - Carlsbad Date Received: 02/11/25 07:30 Work Order ID: E502082
Phone: (575) 748-0176 Date Logged In: 02/11/25 08:10 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 02/17/25 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? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Project Cotton Draw Unit #153H Has been separated into 5 reports due to sample volume. WOs are E502079 to E502083.

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

Date



envirotech Inc.

Report to:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cotton Draw Unit #153H

Work Order: E502083

Job Number: 01058-0007

Received: 2/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/17/25

5796 U.S. Hwy 64
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Date Reported: 2/17/25

Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cotton Draw Unit #153H
Workorder: E502083
Date Received: 2/11/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/11/2025 7:30:00AM, under the Project Name: Cotton Draw Unit #153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Cotton Draw Unit #153H
Project Number: 01058-0007
Project Manager: Anna Byers

Reported:
02/17/25 10:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH17 0.5'	E502083-01A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH17 1'	E502083-02A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH17 2'	E502083-03A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH17 3'	E502083-04A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH17 4'	E502083-05A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH18 0.5'	E502083-06A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH18 1'	E502083-07A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH18 2'	E502083-08A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH18 3'	E502083-09A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH18 4'	E502083-10A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH19 0.5'	E502083-11A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH19 1'	E502083-12A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH19 2'	E502083-13A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH19 3'	E502083-14A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH19 4'	E502083-15A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH20 0.5'	E502083-16A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH20 1'	E502083-17A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH20 2'	E502083-18A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH20 3'	E502083-19A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH20 4'	E502083-20A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH17 0.5'
E502083-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: JM		Batch: 2507058
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH17 1'

E502083-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/14/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/14/25	
Toluene	ND	0.0250	1	02/11/25	02/14/25	
o-Xylene	ND	0.0250	1	02/11/25	02/14/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/14/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/14/25	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	02/11/25	02/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/14/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/14/25	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	02/11/25	02/14/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	02/11/25	02/14/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH17 2'
E502083-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		91.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		91.6 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH17 3'

E502083-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH17 4'
E502083-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		94.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		123 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	23.6	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH18 0.5'

E502083-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH18 1'
E502083-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.3 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		122 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH18 2'

E502083-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		118 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH18 3'
E502083-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		125 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	ND	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH18 4'
E502083-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	02/11/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	02/11/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		123 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	25.3	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH19 0.5'
E502083-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		122 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	64.9	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH19 1'
E502083-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.1 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	71.7	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH19 2'
E502083-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		122 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	38.7	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH19 3'
E502083-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		93.3 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		93.3 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	35.4	20.0	1	02/11/25	02/11/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH19 4'
E502083-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		123 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	36.2	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH20 0.5'

E502083-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	69.2	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH20 1'
E502083-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	67.9	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH20 2'
E502083-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		91.6 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.4 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		91.6 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.4 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		123 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	39.0	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH20 3'
E502083-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		93.0 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	36.3	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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BH20 4'
E502083-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Benzene	ND	0.0250	1	02/11/25	02/13/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/13/25	
Toluene	ND	0.0250	1	02/11/25	02/13/25	
o-Xylene	ND	0.0250	1	02/11/25	02/13/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/13/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507047
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/13/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	02/11/25	02/13/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	02/11/25	02/13/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/11/25	02/13/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507055
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2507058
Chloride	33.2	20.0	1	02/11/25	02/12/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507047-BLK1)

Prepared: 02/11/25 Analyzed: 02/13/25

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: Bromofluorobenzene	0.473		0.500		94.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

LCS (2507047-BS1)

Prepared: 02/11/25 Analyzed: 02/14/25

Benzene	2.09	0.0250	2.50		83.5	70-130			
Ethylbenzene	2.04	0.0250	2.50		81.6	70-130			
Toluene	2.06	0.0250	2.50		82.2	70-130			
o-Xylene	2.18	0.0250	2.50		87.2	70-130			
p,m-Xylene	4.23	0.0500	5.00		84.5	70-130			
Total Xylenes	6.41	0.0250	7.50		85.4	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

Matrix Spike (2507047-MS1)

Source: E502083-02

Prepared: 02/11/25 Analyzed: 02/14/25

Benzene	2.08	0.0250	2.50	ND	83.1	48-131			
Ethylbenzene	2.03	0.0250	2.50	ND	81.1	45-135			
Toluene	2.05	0.0250	2.50	ND	82.1	48-130			
o-Xylene	2.18	0.0250	2.50	ND	87.0	43-135			
p,m-Xylene	4.20	0.0500	5.00	ND	84.0	43-135			
Total Xylenes	6.38	0.0250	7.50	ND	85.0	43-135			
Surrogate: Bromofluorobenzene	0.475		0.500		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500		104	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			

Matrix Spike Dup (2507047-MSD1)

Source: E502083-02

Prepared: 02/11/25 Analyzed: 02/14/25

Benzene	2.22	0.0250	2.50	ND	88.6	48-131	6.43	23	
Ethylbenzene	2.19	0.0250	2.50	ND	87.7	45-135	7.89	27	
Toluene	2.22	0.0250	2.50	ND	88.7	48-130	7.78	24	
o-Xylene	2.30	0.0250	2.50	ND	92.0	43-135	5.59	27	
p,m-Xylene	4.51	0.0500	5.00	ND	90.1	43-135	7.06	27	
Total Xylenes	6.81	0.0250	7.50	ND	90.8	43-135	6.56	27	
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507047-BLK1)

Prepared: 02/11/25 Analyzed: 02/13/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.473		0.500		94.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

LCS (2507047-BS2)

Prepared: 02/11/25 Analyzed: 02/14/25

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.3	70-130			
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike (2507047-MS2)

Source: E502083-02

Prepared: 02/11/25 Analyzed: 02/14/25

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130			
Surrogate: Bromofluorobenzene	0.468		0.500		93.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.529		0.500		106	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike Dup (2507047-MSD2)

Source: E502083-02

Prepared: 02/11/25 Analyzed: 02/14/25

Gasoline Range Organics (C6-C10)	42.3	20.0	50.0	ND	84.7	70-130	0.863	20	
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507055-BLK1)

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	59.0		50.0		118	61-141			

LCS (2507055-BS1)

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	297	25.0	250		119	66-144			
Surrogate: <i>n</i> -Nonane	59.0		50.0		118	61-141			

Matrix Spike (2507055-MS1)

Source: E502083-06

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156			
Surrogate: <i>n</i> -Nonane	61.9		50.0		124	61-141			

Matrix Spike Dup (2507055-MSD1)

Source: E502083-06

Prepared: 02/11/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	315	25.0	250	ND	126	56-156	5.43	20	
Surrogate: <i>n</i> -Nonane	61.0		50.0		122	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:15:37AM
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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
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Blank (2507058-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride	ND	20.0							
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LCS (2507058-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride	253	20.0	250		101	90-110			
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Matrix Spike (2507058-MS1)

Source: E502083-03

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride	261	20.0	250	ND	104	80-120			
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Matrix Spike Dup (2507058-MSD1)

Source: E502083-03

Prepared: 02/11/25 Analyzed: 02/11/25

Chloride	261	20.0	250	ND	104	80-120	0.0771	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Cotton Draw Unit #153H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/17/25 10:15

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: Devon Energy					Bill To					Lab Use Only					TAT				EPA Program			
Project: Cotton Draw Unit #153H					Attention: Jim Raley					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.					E502083		01059-0007						5 day TAT				
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220					Analysis and Method												RCRA
City, State, Zip: Odessa, TX, 79765					Phone: 575-885-7502					Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NIM	GDOC TX	State				
Phone: (432) 305-6415					Email: jlm.raley@dvn.com													NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com					WO: 21494799																	
Project #: 21772					Incident ID: NAB1911658680																	
Collected by: Edyte Konan																						
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NIM	GDOC TX	Remarks								
14:20	02.07.25	S	1	BH17	1	0.5'						X										
14:30	02.07.25	S	1	BH17	2	1'						X										
14:40	02.07.25	S	1	BH17	3	2'						X										
14:50	02.07.25	S	1	BH17	4	3'						X										
15:00	02.07.25	S	1	BH17	5	4'						X										
15:10	02.07.25	S	1	BH18	6	0.5'						X										
15:20	02.07.25	S	1	BH18	7	1'						X										
15:30	02.07.25	S	1	BH18	8	2'						X										
15:40	02.07.25	S	1	BH18	9	3'						X										
15:50	02.07.25	S	1	BH18	10	4'						X										
Additional Instructions:																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: GM											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														
<i>[Signature]</i>		02/10/25	8:00	Michelle Gonzales		2-10-25	0800	Received on Ice: <input checked="" type="radio"/> Y / <input type="radio"/> N														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____														
Michelle Gonzales		2-10-25	1630	<i>[Signature]</i>		2-11-25	730															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C 4														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____											Container Type: g - glass, p - poly/plastic, sg - amber glass, v - VOA											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						

Client: Devon Energy					Bill To					Lab Use Only					TAT			EPA Program					
Project: Cotton Draw Unit #153H					Attention: Jim Raley					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.					E502083		D1058-0007						5 day TAT					
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220					Analysis and Method													RCRA
City, State, Zip: Odessa, TX, 79765					Phone: 575-885-7502					Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000 D	BGDOC NM	GDOC TX	State					
Phone: (432) 305-6415					Email: jim.raley@dvn.com													NM	CO	UT	AZ	TX	
Email: Devon-team@etechnv.com					WO: 21494799																		
Project #: 21772					Incident ID: NAB1911658680																		
Collected by: Edyte Konan																							
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000 D	BGDOC NM	GDOC TX	Remarks									
16:10	02.07.25	S	1	BH19	11	0.5'						X											
16:20	02.07.25	S	1	BH19	12	1'						X											
16:30	02.07.25	S	1	BH19	13	2'						X											
16:40	02.07.25	S	1	BH19	14	3'						X											
16:50	02.07.25	S	1	BH19	15	4'						X											
17:00	02.07.25	S	1	BH20	16	0.5'						X											
17:10	02.07.25	S	1	BH20	17	1'						X											
17:20	02.07.25	S	1	BH20	18	2'						X											
17:30	02.07.25	S	1	BH20	19	3'						X											
17:40	02.07.25	S	1	BH20	20	4'						X											
Additional Instructions:																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only															
<i>[Signature]</i>		02/10/25	8:00	Michelle Gonzales		2-10-25	0800	Received on Ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____															
Michelle Gonzales		2-10-25	1630	<i>[Signature]</i>		2-11-25	730																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

Envirotech Analytical Laboratory

Printed: 2/11/2025 10:18:33AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/11/25 07:30	Work Order ID:	E502083
Phone:	(575) 748-0176	Date Logged In:	02/11/25 08:14	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	02/17/25 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? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

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

Comments/Resolution

Project Cotton Draw Unit #153H Has been separated into 5 reports due to sample volume. WOs are E502079 to E502083.

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:
Anna Byers



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cotton Draw Unit #153H

Work Order: E502084

Job Number: 01058-0007

Received: 2/11/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/17/25

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/17/25



Anna Byers
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Cotton Draw Unit #153H
Workorder: E502084
Date Received: 2/11/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/11/2025 7:30:00AM, under the Project Name: Cotton Draw Unit #153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 02/17/25 10:27
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 5'	E502084-01A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH02 4.5'	E502084-02A	Soil	02/05/25	02/11/25	Glass Jar, 2 oz.
BH06 5'	E502084-03A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH08 4.5'	E502084-04A	Soil	02/06/25	02/11/25	Glass Jar, 2 oz.
BH11 5'	E502084-05A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH12 4.5'	E502084-06A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.
BH18 5'	E502084-07A	Soil	02/07/25	02/11/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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BH01 5'
E502084-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.5 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		73.7 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507056
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507059
Chloride	807	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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BH02 4.5'

E502084-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.1 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		75.6 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507056
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507059
Chloride	41.3	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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BH06 5'
E502084-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.3 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		73.7 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507056
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/11/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	02/11/25	02/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507059
Chloride	219	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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BH08 4.5'

E502084-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.8 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		75.3 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507056
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507059
Chloride	20.4	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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BH11 5'

E502084-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.8 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		73.9 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507056
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/12/25	
<i>Surrogate: n-Nonane</i>						
		126 %	61-141	02/12/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507059
Chloride	1270	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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BH12 4.5'

E502084-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		88.5 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		76.3 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AF		Batch: 2507056
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>						
		115 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507059
Chloride	1260	20.0	1	02/11/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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BH18 5'

E502084-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Benzene	ND	0.0250	1	02/11/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/11/25	02/12/25	
Toluene	ND	0.0250	1	02/11/25	02/12/25	
o-Xylene	ND	0.0250	1	02/11/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/11/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/11/25	02/12/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.7 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2507052
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/11/25	02/12/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		75.5 %	70-130	02/11/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2507056
Diesel Range Organics (C10-C28)	ND	25.0	1	02/11/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/11/25	02/12/25	
<i>Surrogate: n-Nonane</i>		122 %	61-141	02/11/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507059
Chloride	31.9	20.0	1	02/11/25	02/12/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507052-BLK1)

Prepared: 02/11/25 Analyzed: 02/12/25

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	7.75		8.00		96.9	70-130			

LCS (2507052-BS1)

Prepared: 02/11/25 Analyzed: 02/12/25

Benzene	4.68	0.0250	5.00		93.6	70-130			
Ethylbenzene	4.47	0.0250	5.00		89.4	70-130			
Toluene	4.58	0.0250	5.00		91.7	70-130			
o-Xylene	4.52	0.0250	5.00		90.4	70-130			
p,m-Xylene	9.11	0.0500	10.0		91.1	70-130			
Total Xylenes	13.6	0.0250	15.0		90.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			

Matrix Spike (2507052-MS1)

Source: E502084-01

Prepared: 02/11/25 Analyzed: 02/12/25

Benzene	6.49	0.0250	5.00	ND	130	54-133			
Ethylbenzene	6.17	0.0250	5.00	ND	123	61-133			
Toluene	6.35	0.0250	5.00	ND	127	61-130			
o-Xylene	6.14	0.0250	5.00	ND	123	63-131			
p,m-Xylene	12.5	0.0500	10.0	ND	125	63-131			
Total Xylenes	18.6	0.0250	15.0	ND	124	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			

Matrix Spike Dup (2507052-MSD1)

Source: E502084-01

Prepared: 02/11/25 Analyzed: 02/12/25

Benzene	6.50	0.0250	5.00	ND	130	54-133	0.250	20	
Ethylbenzene	6.20	0.0250	5.00	ND	124	61-133	0.483	20	
Toluene	6.37	0.0250	5.00	ND	127	61-130	0.344	20	
o-Xylene	6.17	0.0250	5.00	ND	123	63-131	0.429	20	
p,m-Xylene	12.5	0.0500	10.0	ND	125	63-131	0.487	20	
Total Xylenes	18.7	0.0250	15.0	ND	125	63-131	0.468	20	
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507052-BLK1)

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	5.84		8.00		73.0	70-130			

LCS (2507052-BS2)

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	40.2	20.0	50.0		80.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	5.93		8.00		74.1	70-130			

Matrix Spike (2507052-MS2)

Source: E502084-01

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	38.4	20.0	50.0	ND	76.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.02		8.00		75.2	70-130			

Matrix Spike Dup (2507052-MSD2)

Source: E502084-01

Prepared: 02/11/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.8	70-130	4.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.04		8.00		75.5	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507056-BLK1)

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.0		50.0		110	61-141			

LCS (2507056-BS1)

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	266	25.0	250		107	66-144			
Surrogate: <i>n</i> -Nonane	54.5		50.0		109	61-141			

Matrix Spike (2507056-MS1)

Source: E502084-04

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	56-156			
Surrogate: <i>n</i> -Nonane	55.1		50.0		110	61-141			

Matrix Spike Dup (2507056-MSD1)

Source: E502084-04

Prepared: 02/11/25 Analyzed: 02/11/25

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156	1.40	20	
Surrogate: <i>n</i> -Nonane	65.3		50.0		131	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Cotton Draw Unit #153H Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 2/17/2025 10:27:34AM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507059-BLK1)

Prepared: 02/11/25 Analyzed: 02/12/25

Chloride ND 20.0

LCS (2507059-BS1)

Prepared: 02/11/25 Analyzed: 02/12/25

Chloride 254 20.0 250 101 90-110

Matrix Spike (2507059-MS1)

Source: E502084-04

Prepared: 02/11/25 Analyzed: 02/12/25

Chloride 277 20.0 250 20.4 103 80-120

Matrix Spike Dup (2507059-MSD1)

Source: E502084-04

Prepared: 02/11/25 Analyzed: 02/12/25

Chloride 279 20.0 250 20.4 103 80-120 0.788 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

Devon Energy - Carlsbad	Project Name:	Cotton Draw Unit #153H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/17/25 10:27

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: Devon Energy					Bill To					Lab Use Only					TAT				EPA Program							
Project: Cotton Draw Unit #153H					Attention: Jim Raley					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA						
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.					E502084		01058-0007						5 day TAT								
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220					Analysis and Method										RCRA						
City, State, Zip: Odessa, TX, 79765					Phone: 575-885-7502															State						
Phone: (432) 305-6415					Email: jim.raley@dvn.com															NM			CO	UT	AZ	TX
Email: Devon-team@etechnv.com					WO: 21494799																					
Project #: 21772					Incident ID: NAB1911658680																					
Collected by: Edyte Konan																										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	NM	GDOC	TX	Remarks										
10:50	02.05.25	S	1	BH01	1	5'						X														
11:50	02.05.25	S	1	BH02	2	4.5'						X														
11:40	02.06.25	S	1	BH06	3	5'						X														
13:30	02.06.25	S	1	BH08	4	4.5'						X														
9:50	02.07.25	S	1	BH11	5	5'						X														
10:50	02.07.25	S	1	BH12	6	4.5'						X														
16:00	02.07.25	S	1	BH18	7	5'						X														
02/10/25																										
Additional Instructions:																										
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Relinquished by: (Signature) <i>[Signature]</i>					Date: 02/10/25		Time: 8:00		Received by: (Signature) <i>Michelle Gonzales</i>					Date: 2-10-25		Time: 0800			Lab Use Only							
Relinquished by: (Signature) <i>Michelle Gonzales</i>					Date: 2-10-25		Time: 1630		Received by: (Signature) <i>[Signature]</i>					Date: 2/11/25		Time: 730			Received on Ice: <input checked="" type="checkbox"/> Y / N							
Relinquished by: (Signature)					Date:		Time:		Received by: (Signature)					Date:		Time:			T1 _____ T2 _____ T3 _____							
Sample Matrix: S - Sod, 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: 2/11/2025 10:20:38AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Devon Energy - Carlsbad Date Received: 02/11/25 07:30 Work Order ID: E502084
Phone: (575) 748-0176 Date Logged In: 02/11/25 08:17 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 02/17/25 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? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Delrae Geller



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E504084

Job Number: 01058-0007

Received: 4/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/11/25

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: 4/11/25

Delrae Geller
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit 153H
Workorder: E504084
Date Received: 4/10/2025 11:30:00PM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2025 11:30:00PM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 04/11/25 11:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-COMP.	E504084-01A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CS2-COMP.	E504084-02A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CS3-COMP.	E504084-03A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CS4-COMP.	E504084-04A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CS5-COMP.	E504084-05A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CS6-COMP.	E504084-06A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CSW1-COMP.	E504084-07A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CSW2-COMP.	E504084-08A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CSW3-COMP.	E504084-09A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CSW4-COMP.	E504084-10A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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**CS1-COMP.
E504084-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>						
		113 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	253	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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**CS2-COMP.
E504084-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	529	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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**CS3-COMP.
E504084-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	76.1	20.0	1	04/11/25	04/11/25	

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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**CS4-COMP.
E504084-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	ND	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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**CS5-COMP.
E504084-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	237	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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CS6-COMP.
E504084-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	387	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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CSW1-COMP.

E504084-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		123 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	ND	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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CSW2-COMP.

E504084-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	29.8	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	32.8	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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**CSW3-COMP.
E504084-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.4 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	1070	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	753	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	269	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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CSW4-COMP.

E504084-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	59.5	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2515101
Chloride	176	20.0	1	04/11/25	04/11/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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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
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Blank (2515103-BLK1)

Prepared: 04/11/25 Analyzed: 04/11/25

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	7.89		8.00		98.7	70-130			

LCS (2515103-BS1)

Prepared: 04/11/25 Analyzed: 04/11/25

Benzene	4.30	0.0250	5.00		86.0	70-130			
Ethylbenzene	4.23	0.0250	5.00		84.6	70-130			
Toluene	4.29	0.0250	5.00		85.8	70-130			
o-Xylene	4.21	0.0250	5.00		84.2	70-130			
p,m-Xylene	8.42	0.0500	10.0		84.2	70-130			
Total Xylenes	12.6	0.0250	15.0		84.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

LCS Dup (2515103-BSD1)

Prepared: 04/11/25 Analyzed: 04/11/25

Benzene	4.44	0.0250	5.00		88.7	70-130	3.17	20	
Ethylbenzene	4.38	0.0250	5.00		87.6	70-130	3.51	20	
Toluene	4.42	0.0250	5.00		88.5	70-130	3.11	20	
o-Xylene	4.35	0.0250	5.00		87.1	70-130	3.40	20	
p,m-Xylene	8.72	0.0500	10.0		87.2	70-130	3.48	20	
Total Xylenes	13.1	0.0250	15.0		87.1	70-130	3.46	20	
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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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
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Blank (2515103-BLK1)

Prepared: 04/11/25 Analyzed: 04/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			

LCS (2515103-BS2)

Prepared: 04/11/25 Analyzed: 04/11/25

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

LCS Dup (2515103-BSD2)

Prepared: 04/11/25 Analyzed: 04/11/25

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.2	70-130	2.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515091-BLK1)

Prepared: 04/10/25 Analyzed: 04/10/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.3		50.0		107	61-141			

LCS (2515091-BS1)

Prepared: 04/10/25 Analyzed: 04/10/25

Diesel Range Organics (C10-C28)	300	25.0	250		120	66-144			
Surrogate: <i>n</i> -Nonane	55.4		50.0		111	61-141			

LCS Dup (2515091-BSD1)

Prepared: 04/10/25 Analyzed: 04/10/25

Diesel Range Organics (C10-C28)	306	25.0	250		122	66-144	2.17	20	
Surrogate: <i>n</i> -Nonane	56.0		50.0		112	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:08:37AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515101-BLK1)

Prepared: 04/10/25 Analyzed: 04/10/25

Chloride	ND	20.0							
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LCS (2515101-BS1)

Prepared: 04/10/25 Analyzed: 04/10/25

Chloride	252	20.0	250		101	90-110			
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LCS Dup (2515101-BSD1)

Prepared: 04/10/25 Analyzed: 04/10/25

Chloride	253	20.0	250		101	90-110	0.424	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	04/11/25 11:08

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

Client Information		Invoice Information		Lab Use Only		TAT		State					
Client: Pima Environmental Services, LLC		Company: DEVON		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Cotton Draw Unit #153 H		Address:		E504084	01058-0001	X				X			
Project Manager: DelRae Geller		City, State, Zip:											
Address: 5614 N Lovington Hwy		Phone:											
City, State, Zip: Hobbs, NM 88240		Email:											
Phone: 806-724-5391		Miscellaneous: Project No. #1-302-3											
Email: delrae@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	TEEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA
11:00	4/9/2025	s		CS1- COMP.		1						X						
11:16	4/9/2025	s		CS2- COMP.		2						X						
11:23	4/9/2025	s		CS3-COMP.		3						X						
11:29	4/9/2025	s		CS4- COMP.		4						X						
11:35	4/9/2025	s		CS5-COMP.		5						X						
11:40	4/9/2025	s		CS6-COMP.		6						X						
11:44	4/9/2025	s		CSW1-COMP.		7						X						
11:49	4/9/2025	s		CSW2-COMP.		8						X						
11:53	4/9/2025	s		CSW3-COMP.		9						X						
11:59	4/9/2025	s		CSW4-COMP.		10						X						

Additional Instructions: BILLING- 21165284

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						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.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on Ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>					
Andrew Franco	4/9/25	2:00	Karime Adame	4/10/25	9:03						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Karime Adame	4/10/25	1:00	Michelle Gonzalez	4-10-25	1300						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Michelle Gonzalez	4-10-25	1615	John H.	4-10-25	1645						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
John H.	4-10-25	2300	Michelle Adame	4-10-25	2330						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ar - 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: 4/11/2025 8:40:22AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Pima Environmental Services-Carlsbad Date Received: 04/10/25 23:30 Work Order ID: E504084
Phone: (575) 631-6977 Date Logged In: 04/10/25 14:27 Logged In By: Caitlin Mars
Email: Due Date: 04/11/25 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

Carrier: Courier

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

Comments/Resolution

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? 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

[Empty box for Client Instruction]

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

Date



envirotech Inc.

Report to:
Delrae Geller



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit 153H

Work Order: E505033

Job Number: 01058-0007

Received: 5/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/8/25

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: 5/8/25

Delrae Geller
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit 153H
Workorder: E505033
Date Received: 5/5/2025 7:45:00AM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/5/2025 7:45:00AM, under the Project Name: Cotton Draw Unit 153H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit 153H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Field Offices:

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Lynn Jarboe
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ljjarboe@envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 05/08/25 09:17
---	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
csw3	E505033-01A	Soil	05/02/25	05/05/25	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 5/8/2025 9:17:19AM
---	---	--

csw3

E505033-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	05/05/25	05/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2519037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/06/25	
<i>Surrogate: n-Nonane</i>		97.3 %	61-141	05/06/25	05/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2519030
Chloride	ND	20.0	1	05/05/25	05/06/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 5/8/2025 9:17:19AM
---	---	--

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 (2519019-BLK1)

Prepared: 05/05/25 Analyzed: 05/06/25

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	7.46		8.00		93.2	70-130			

LCS (2519019-BS1)

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	3.87	0.0250	5.00		77.5	70-130			
Ethylbenzene	3.86	0.0250	5.00		77.2	70-130			
Toluene	3.89	0.0250	5.00		77.8	70-130			
o-Xylene	3.86	0.0250	5.00		77.3	70-130			
p,m-Xylene	7.74	0.0500	10.0		77.4	70-130			
Total Xylenes	11.6	0.0250	15.0		77.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

Matrix Spike (2519019-MS1)

Source: E505032-04

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	3.99	0.0250	5.00	ND	79.8	70-130			
Ethylbenzene	3.92	0.0250	5.00	ND	78.4	70-130			
Toluene	3.98	0.0250	5.00	ND	79.7	70-130			
o-Xylene	3.96	0.0250	5.00	ND	79.3	70-130			
p,m-Xylene	7.85	0.0500	10.0	ND	78.5	70-130			
Total Xylenes	11.8	0.0250	15.0	ND	78.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

Matrix Spike Dup (2519019-MSD1)

Source: E505032-04

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	4.42	0.0250	5.00	ND	88.3	70-130	10.1	27	
Ethylbenzene	4.39	0.0250	5.00	ND	87.9	70-130	11.4	26	
Toluene	4.44	0.0250	5.00	ND	88.7	70-130	10.7	20	
o-Xylene	4.41	0.0250	5.00	ND	88.1	70-130	10.6	25	
p,m-Xylene	8.80	0.0500	10.0	ND	88.0	70-130	11.5	23	
Total Xylenes	13.2	0.0250	15.0	ND	88.1	70-130	11.2	26	
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 5/8/2025 9:17:19AM
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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
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Blank (2519019-BLK1)

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.26		8.00		103	70-130			

LCS (2519019-BS2)

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

Matrix Spike (2519019-MS2)

Source: E505032-04

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.07		8.00		101	70-130			

Matrix Spike Dup (2519019-MSD2)

Source: E505032-04

Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	7.80	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.47		8.00		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 5/8/2025 9:17:19AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519037-BLK1)

Prepared: 05/06/25 Analyzed: 05/06/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.2		50.0		98.4	61-141			

LCS (2519037-BS1)

Prepared: 05/06/25 Analyzed: 05/06/25

Diesel Range Organics (C10-C28)	263	25.0	250		105	66-144			
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.2	61-141			

Matrix Spike (2519037-MS1)

Source: E505034-01

Prepared: 05/06/25 Analyzed: 05/06/25

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156			
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.4	61-141			

Matrix Spike Dup (2519037-MSD1)

Source: E505034-01

Prepared: 05/06/25 Analyzed: 05/06/25

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	56-156	1.64	20	
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.2	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit 153H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 5/8/2025 9:17:19AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519030-BLK1)

Prepared: 05/05/25 Analyzed: 05/06/25

Chloride ND 20.0

LCS (2519030-BS1)

Prepared: 05/05/25 Analyzed: 05/06/25

Chloride 255 20.0 250 102 90-110

Matrix Spike (2519030-MS1)

Source: E505032-02

Prepared: 05/05/25 Analyzed: 05/06/25

Chloride 303 20.0 250 46.3 103 80-120

Matrix Spike Dup (2519030-MSD1)

Source: E505032-02

Prepared: 05/05/25 Analyzed: 05/06/25

Chloride 302 20.0 250 46.3 102 80-120 0.322 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:	Cotton Draw Unit 153H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	05/08/25 09:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 7/1/2025 1:28:03 PM

Received by OCD: 6/24/2025 9:51:16 AM

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Pima Environmental Services, LLC				Company:				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Cotton Draw Unit #153H				Address:				E 505033		01098-0007						x			
Project Manager: Delrae Geller				City, State, Zip:															
Address: 5614 North Lovington Hwy				Phone:															
City, State, Zip: Hobbs, NM. 88240				Email:															
Phone: (806) 724-5391				Miscellaneous: PROJECT# 1-302-3															
Email: Delrae@pimaoil.com																			
Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filtered	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BODOC - NM	BODOC - TX	SDWA	CWA	RCRA	
1:00	5/2/2025	S		csw3		1								X					
Additional Instructions: BILLING- 21165284																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: _____																			
Relinquished by: (Signature) <i>Andrew Franco</i>				Date 5/2/25		Time 2:50		Received by: (Signature) <i>Karime Adame</i>				Date 5/2/25		Time 3:35		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <i>Y</i> / N			
Relinquished by: (Signature) <i>Karime Adame</i>				Date 5/2/25		Time 3:40		Received by: (Signature) <i>Michelle Gonzales</i>				Date 5-2-25		Time 1410					
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date 5-2-25		Time 1745		Received by: (Signature) <i>A.M.</i>				Date 5-2-25		Time 1745					
Relinquished by: (Signature) <i>A.M.</i>				Date 5-2-25		Time 2345		Received by: (Signature) <i>Cathy Mow</i>				Date 5-5-25		Time 0745					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 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.																			

Page 615 of 760

Envirotech Analytical Laboratory

Printed: 5/5/2025 8:55:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Pima Environmental Services-Carlsbad Date Received: 05/05/25 07:45 Work Order ID: E505033
Phone: (575) 631-6977 Date Logged In: 05/05/25 08:44 Logged In By: Noe Soto
Email: Due Date: 05/09/25 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

Carrier: Courier

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

Comments/Resolution

No. of containers and sampled by 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? Yes

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

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

Empty box for client instruction.

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

Date



envirotech Inc.

LABORATORY REPORTS

CDU #117H



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

DEVON ENERGY PRODUCTION, LP.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit #117H

Work Order: E311116

Job Number: 01058-0007

Received: 11/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/27/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/27/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit #117H
Workorder: E311116
Date Received: 11/14/2023 8:32:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/14/2023 8:32:00AM, under the Project Name: Cotton Draw Unit #117H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #117H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/23 16:18
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E311116-01A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S1-2'	E311116-02A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S1-3'	E311116-03A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S1-4'	E311116-04A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S2-1'	E311116-05A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S2-2'	E311116-06A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S2-3'	E311116-07A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S2-4'	E311116-08A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S3-1'	E311116-09A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S3-2'	E311116-10A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S3-3'	E311116-11A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S3-4'	E311116-12A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S4-1'	E311116-13A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S4-2'	E311116-14A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S4-3'	E311116-15A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S4-4'	E311116-16A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S5-1'	E311116-17A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S5-2'	E311116-18A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S5-3'	E311116-19A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
S5-4'	E311116-20A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW1	E311116-21A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW2	E311116-22A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW3	E311116-23A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW4	E311116-24A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW5	E311116-25A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW6	E311116-26A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW7	E311116-27A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW8	E311116-28A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
BG1	E311116-29A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S1-1'

E311116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	39.8	25.0	1	11/16/23	11/17/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/17/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	11/16/23	11/17/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	132	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S1-2'

E311116-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/20/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/20/23	
Toluene	ND	0.0250	1	11/16/23	11/20/23	
o-Xylene	ND	0.0250	1	11/16/23	11/20/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/20/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	11/16/23	11/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	11/16/23	11/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	80.9	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S1-3'

E311116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.8 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	78.2	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S1-4'

E311116-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.5 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	45.8	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S2-1'

E311116-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	126	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S2-2'

E311116-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.2 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	89.0	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S2-3'

E311116-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.0 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		99.3 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	95.9	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S2-4'

E311116-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.3 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	54.6	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		99.9 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	40.0	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S3-1'

E311116-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.2 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	123	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S3-2'

E311116-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.0 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		98.7 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	92.1	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S3-3'

E311116-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.7 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	96.5	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S3-4'

E311116-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.5 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	155	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	90.8	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	39.9	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S4-1'

E311116-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.9 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	112	20.0	1	11/17/23	11/17/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S4-2'

E311116-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.4 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	95.6	20.0	1	11/17/23	11/18/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S4-3'

E311116-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.8 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	91.9	20.0	1	11/17/23	11/18/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S4-4'

E311116-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.5 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	420	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	239	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	49.6	20.0	1	11/17/23	11/18/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S5-1'

E311116-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.2 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	116	20.0	1	11/17/23	11/18/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S5-2'

E311116-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.5 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	39.6	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	92.4	20.0	1	11/17/23	11/18/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S5-3'

E311116-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.0 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	93.0	20.0	1	11/17/23	11/18/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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S5-4'

E311116-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.9 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2346098
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2346103
Diesel Range Organics (C10-C28)	245	25.0	1	11/16/23	11/18/23	
Oil Range Organics (C28-C36)	137	50.0	1	11/16/23	11/18/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	11/16/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346108
Chloride	54.0	20.0	1	11/17/23	11/18/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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SW1

E311116-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2346104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346107
Chloride	42.5	20.0	1	11/17/23	11/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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SW2

E311116-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2346104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346107
Chloride	36.9	20.0	1	11/17/23	11/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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SW3

E311116-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.6 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346107
Chloride	30.3	20.0	1	11/17/23	11/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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SW4

E311116-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2346104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
<i>Surrogate: n-Nonane</i>		98.5 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346107
Chloride	43.5	20.0	1	11/17/23	11/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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SW5

E311116-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.8 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346107
Chloride	26.1	20.0	1	11/17/23	11/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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SW6

E311116-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2346104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346107
Chloride	37.4	20.0	1	11/17/23	11/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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SW7

E311116-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.3 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.1 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346107
Chloride	29.5	20.0	1	11/17/23	11/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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SW8

E311116-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.0 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346107
Chloride	32.4	20.0	1	11/17/23	11/21/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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BG1

E311116-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Benzene	ND	0.0250	1	11/16/23	11/17/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/17/23	
Toluene	ND	0.0250	1	11/16/23	11/17/23	
o-Xylene	ND	0.0250	1	11/16/23	11/17/23	
p,m-Xylene	ND	0.0500	1	11/16/23	11/17/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2346097
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	11/16/23	11/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2346104
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2346107
Chloride	40.9	20.0	1	11/17/23	11/21/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346097-BLK1)

Prepared: 11/16/23 Analyzed: 11/17/23

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	7.80		8.00		97.6	70-130			

LCS (2346097-BS1)

Prepared: 11/16/23 Analyzed: 11/17/23

Benzene	4.68	0.0250	5.00		93.6	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.3	70-130			
Toluene	4.69	0.0250	5.00		93.8	70-130			
o-Xylene	4.70	0.0250	5.00		94.0	70-130			
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.8	70-130			

Matrix Spike (2346097-MS1)

Source: E311115-22

Prepared: 11/16/23 Analyzed: 11/17/23

Benzene	5.31	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.25	0.0250	5.00	ND	105	61-133			
Toluene	5.30	0.0250	5.00	ND	106	61-130			
o-Xylene	5.28	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	7.97		8.00		99.7	70-130			

Matrix Spike Dup (2346097-MSD1)

Source: E311115-22

Prepared: 11/16/23 Analyzed: 11/17/23

Benzene	5.21	0.0250	5.00	ND	104	54-133	1.82	20	
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133	1.81	20	
Toluene	5.19	0.0250	5.00	ND	104	61-130	2.07	20	
o-Xylene	5.18	0.0250	5.00	ND	104	63-131	1.91	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	2.03	20	
Total Xylenes	15.7	0.0250	15.0	ND	104	63-131	1.99	20	
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346098-BLK1)

Prepared: 11/16/23 Analyzed: 11/20/23

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	7.74		8.00		96.8	70-130			

LCS (2346098-BS1)

Prepared: 11/16/23 Analyzed: 11/20/23

Benzene	4.27	0.0250	5.00		85.3	70-130			
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130			
Toluene	4.49	0.0250	5.00		89.9	70-130			
o-Xylene	4.55	0.0250	5.00		91.1	70-130			
p,m-Xylene	9.13	0.0500	10.0		91.3	70-130			
Total Xylenes	13.7	0.0250	15.0		91.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

Matrix Spike (2346098-MS1)

Source: E311116-02

Prepared: 11/16/23 Analyzed: 11/27/23

Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.85	0.0250	5.00	ND	96.9	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.9	70-130			

Matrix Spike Dup (2346098-MSD1)

Source: E311116-02

Prepared: 11/16/23 Analyzed: 11/27/23

Benzene	5.03	0.0250	5.00	ND	101	54-133	0.176	20	
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	61-133	0.140	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	0.224	20	
o-Xylene	4.94	0.0250	5.00	ND	98.7	63-131	0.346	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.268	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.6	63-131	0.294	20	
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346097-BLK1)

Prepared: 11/16/23 Analyzed: 11/17/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			

LCS (2346097-BS2)

Prepared: 11/16/23 Analyzed: 11/17/23

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			

Matrix Spike (2346097-MS2)

Source: E311115-22

Prepared: 11/16/23 Analyzed: 11/17/23

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

Matrix Spike Dup (2346097-MSD2)

Source: E311115-22

Prepared: 11/16/23 Analyzed: 11/17/23

Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	5.09	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346098-BLK1)

Prepared: 11/16/23 Analyzed: 11/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

LCS (2346098-BS2)

Prepared: 11/16/23 Analyzed: 11/20/23

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

Matrix Spike (2346098-MS2)

Source: E311116-02

Prepared: 11/16/23 Analyzed: 11/20/23

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

Matrix Spike Dup (2346098-MSD2)

Source: E311116-02

Prepared: 11/16/23 Analyzed: 11/21/23

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.2	70-130	7.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346103-BLK1)

Prepared: 11/16/23 Analyzed: 11/17/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.0		50.0		110	50-200			

LCS (2346103-BS1)

Prepared: 11/16/23 Analyzed: 11/17/23

Diesel Range Organics (C10-C28)	286	25.0	250		115	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike (2346103-MS1)

Source: E311116-05

Prepared: 11/16/23 Analyzed: 11/17/23

Diesel Range Organics (C10-C28)	314	25.0	250	ND	126	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			

Matrix Spike Dup (2346103-MSD1)

Source: E311116-05

Prepared: 11/16/23 Analyzed: 11/17/23

Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132	8.50	20	
Surrogate: n-Nonane	55.2		50.0		110	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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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 (2346104-BLK1)

Prepared: 11/17/23 Analyzed: 11/18/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.5		50.0		105	50-200			

LCS (2346104-BS1)

Prepared: 11/17/23 Analyzed: 11/18/23

Diesel Range Organics (C10-C28)	259	25.0	250		104	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike (2346104-MS1)

Source: E311115-25

Prepared: 11/17/23 Analyzed: 11/18/23

Diesel Range Organics (C10-C28)	279	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike Dup (2346104-MSD1)

Source: E311115-25

Prepared: 11/17/23 Analyzed: 11/18/23

Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132	3.54	20	
Surrogate: n-Nonane	52.7		50.0		105	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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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 (2346107-BLK1)

Prepared: 11/17/23 Analyzed: 11/20/23

Chloride ND 20.0

LCS (2346107-BS1)

Prepared: 11/17/23 Analyzed: 11/20/23

Chloride 254 20.0 250 102 90-110

Matrix Spike (2346107-MS1)

Source: E311115-23

Prepared: 11/17/23 Analyzed: 11/20/23

Chloride 300 20.0 250 44.4 102 80-120

Matrix Spike Dup (2346107-MSD1)

Source: E311115-23

Prepared: 11/17/23 Analyzed: 11/20/23

Chloride 301 20.0 250 44.4 103 80-120 0.550 20



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 11/27/2023 4:18:53PM
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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 (2346108-BLK1)

Prepared: 11/17/23 Analyzed: 11/17/23

Chloride ND 20.0

LCS (2346108-BS1)

Prepared: 11/17/23 Analyzed: 11/17/23

Chloride 255 20.0 250 102 90-110

Matrix Spike (2346108-MS1)

Source: E311116-02

Prepared: 11/17/23 Analyzed: 11/17/23

Chloride 337 20.0 250 80.9 102 80-120

Matrix Spike Dup (2346108-MSD1)

Source: E311116-02

Prepared: 11/17/23 Analyzed: 11/17/23

Chloride 332 20.0 250 80.9 101 80-120 1.41 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #117H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	11/27/23 16:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client: Pima Environmental Services
 Project: Cotton Draw Well #117 #
 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 # 282

Lab Use Only
 Lab WO# E31114
 Job Number 01058-0007
 TAT 1D 2D 3D Standard
 EPA Program CWA SDWA
 RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State					Remarks	
														NM	CO	UT	AZ	TX		
1:00	11/10	S		S1-1'	1							X								
1:09				S1-2'	2															
1:13				S1-3'	3															
1:17				S1-4'	4															
1:18				S2-1'	5															
1:19				S2-2'	6															
1:21				S2-3'	7															
1:25				S2-4'	8															
1:33				S3-1'	9															
1:39				S3-2'	10															

B#21146174

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) Nurime Adams	Date	Time	Received by: (Signature) Mabelle Coyne	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) Mabelle Coyne	11-13-23	1715	Received by: (Signature) Adele Messo	11-13-23	1830	
Relinquished by: (Signature) Adele Messo	11-13-23	2400	Received by: (Signature) Montre	11/14/23	8:32	

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

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



Client: Pima Environmental Services Project: Cotton Draw Unit #117H 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>Peyon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>282</u>		Lab Use Only Lab WO# <u>E31116</u> Job Number <u>01058-0007</u>		TAT 1D 2D 3D Standard		EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/RO 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			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/RO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
1:45	11/10	S		53-3'	11							X		
1:51				53-4'	12									
1:55				54-1'	13									
2:03				54-2'	14									
2:11				54-3'	15									
2:13				54-4'	16									
2:17				55-1'	17									
2:19				55-2'	18									
2:25				55-3'	19									
2:31				55-4'	20									

Additional Instructions: B# 21146174

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>Carime Adame</u>	Date	Time	Received by: (Signature) <u>Michelle Coy</u>	Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Coy</u>	11-13-23	1715	Received by: (Signature) <u>Andrea</u>	11-13-23	1830	
Relinquished by: (Signature) <u>Andrea</u>	11-13-23	2400	Received by: (Signature) <u>Michelle</u>	11/14/23	8:32	

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

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



Client: Pima Environmental Services Project: Cotton Draw Unit #117H 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: Deyon Address: City, State, Zip Phone: Email: Pima Project # 282		Lab Use Only Lab WO# E31116 Job Number 01058-0007		TAT 1D 2D 3D Standard		EPA Program CWA SDWA	
				Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		RCRA State NM CO UT AZ TX			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
2:39	11/10	S		SW1	21							X		
2:42				SW2	22									
2:49				SW3	23									
2:51				SW4	24									
2:55				SW5	25									
3:06				SW6	26									
3:11				SW7	27									
3:13				SW8	28									
3:21				BG1	29									

Additional Instructions:

B# 21146174

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) Karime Adame	Date 11-13-23	Time 17:15	Received by: (Signature) Michelle Gayle	Date 11-13-23	Time 15:00	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) Michelle Gayle	Date 11-13-23	Time 17:15	Received by: (Signature) Andrew N. 880	Date 11-13-23	Time 18:30	
Relinquished by: (Signature) Andrew N. 880	Date 11-13-23	Time 24:00	Received by: (Signature) [Signature]	Date 11-14-23	Time 8:32	

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: 11/14/2023 8:43:14AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Pima Environmental Services-Carlsbad Date Received: 11/14/23 08:32 Work Order ID: E311116
Phone: (575) 631-6977 Date Logged In: 11/14/23 08:32 Logged In By: Jordan Montano
Email: tom@pimaoil.com Due Date: 11/20/23 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

Carrier: Courier

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

Comments/Resolution

Sampled by not provided on COC or samples.

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

[Empty box for 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: Cotton Draw Unit #117H

Work Order: E312052

Job Number: 01058-0007

Received: 12/8/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/13/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 12/13/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit #117H
Workorder: E312052
Date Received: 12/8/2023 1:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/8/2023 1:00:00PM, under the Project Name: Cotton Draw Unit #117H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #117H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/13/23 15:19
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S3-5'	E312052-01A	Soil	12/06/23	12/08/23	Glass Jar, 2 oz.
S4-5'	E312052-02A	Soil	12/06/23	12/08/23	Glass Jar, 2 oz.
S5-5'	E312052-03A	Soil	12/06/23	12/08/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/13/2023 3:19:28PM
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S3-5'

E312052-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2350013	
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.8 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2350013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.1 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2350029	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/12/23	
<i>Surrogate: n-Nonane</i>		82.5 %	50-200	12/12/23	12/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2350011	
Chloride	25.2	20.0	1	12/11/23	12/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/13/2023 3:19:28PM
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S4-5'

E312052-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2350013
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2350013
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.4 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2350029
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/12/23	
<i>Surrogate: n-Nonane</i>		79.2 %	50-200	12/12/23	12/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2350011
Chloride	58.8	20.0	1	12/11/23	12/12/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/13/2023 3:19:28PM
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S5-5'

E312052-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RAS		Batch: 2350013
Benzene	ND	0.0250	1	12/11/23	12/11/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/11/23	
Toluene	ND	0.0250	1	12/11/23	12/11/23	
o-Xylene	ND	0.0250	1	12/11/23	12/11/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/11/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/11/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.8 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2350013
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/11/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.5 %	70-130	12/11/23	12/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2350029
Diesel Range Organics (C10-C28)	ND	25.0	1	12/12/23	12/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/12/23	12/12/23	
<i>Surrogate: n-Nonane</i>		79.2 %	50-200	12/12/23	12/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2350011
Chloride	39.1	20.0	1	12/11/23	12/12/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/13/2023 3:19:28PM
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Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350013-BLK1)

Prepared: 12/11/23 Analyzed: 12/11/23

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	7.74		8.00		96.7	70-130			

LCS (2350013-BS1)

Prepared: 12/11/23 Analyzed: 12/11/23

Benzene	4.43	0.0250	5.00		88.6	70-130			
Ethylbenzene	4.59	0.0250	5.00		91.7	70-130			
Toluene	4.67	0.0250	5.00		93.4	70-130			
o-Xylene	4.72	0.0250	5.00		94.5	70-130			
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130			
Total Xylenes	14.2	0.0250	15.0		94.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

Matrix Spike (2350013-MS1)

Source: E312061-05

Prepared: 12/11/23 Analyzed: 12/11/23

Benzene	4.51	0.0250	5.00	ND	90.3	54-133			
Ethylbenzene	4.69	0.0250	5.00	ND	93.9	61-133			
Toluene	4.77	0.0250	5.00	ND	95.5	61-130			
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131			
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	97.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

Matrix Spike Dup (2350013-MSD1)

Source: E312061-05

Prepared: 12/11/23 Analyzed: 12/11/23

Benzene	4.43	0.0250	5.00	ND	88.6	54-133	1.92	20	
Ethylbenzene	4.59	0.0250	5.00	ND	91.8	61-133	2.26	20	
Toluene	4.67	0.0250	5.00	ND	93.5	61-130	2.08	20	
o-Xylene	4.75	0.0250	5.00	ND	95.1	63-131	1.74	20	
p,m-Xylene	9.50	0.0500	10.0	ND	95.0	63-131	2.20	20	
Total Xylenes	14.2	0.0250	15.0	ND	95.0	63-131	2.05	20	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/13/2023 3:19:28PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350013-BLK1)

Prepared: 12/11/23 Analyzed: 12/11/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130			

LCS (2350013-BS2)

Prepared: 12/11/23 Analyzed: 12/11/23

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			

Matrix Spike (2350013-MS2)

Source: E312061-05

Prepared: 12/11/23 Analyzed: 12/11/23

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.2	70-130			

Matrix Spike Dup (2350013-MSD2)

Source: E312061-05

Prepared: 12/11/23 Analyzed: 12/11/23

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.5	70-130	4.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/13/2023 3:19:28PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350029-BLK1)

Prepared: 12/12/23 Analyzed: 12/12/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	41.9		50.0		83.9	50-200			

LCS (2350029-BS1)

Prepared: 12/12/23 Analyzed: 12/12/23

Diesel Range Organics (C10-C28)	210	25.0	250		84.0	38-132			
Surrogate: <i>n</i> -Nonane	42.7		50.0		85.3	50-200			

Matrix Spike (2350029-MS1)

Source: E312044-26

Prepared: 12/12/23 Analyzed: 12/12/23

Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.6	38-132			
Surrogate: <i>n</i> -Nonane	44.5		50.0		89.0	50-200			

Matrix Spike Dup (2350029-MSD1)

Source: E312044-26

Prepared: 12/12/23 Analyzed: 12/12/23

Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.5	38-132	7.30	20	
Surrogate: <i>n</i> -Nonane	45.3		50.0		90.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 12/13/2023 3:19:28PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2350011-BLK1)

Prepared: 12/11/23 Analyzed: 12/12/23

Chloride	ND	20.0							
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LCS (2350011-BS1)

Prepared: 12/11/23 Analyzed: 12/12/23

Chloride	245	20.0	250		98.1	90-110			
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Matrix Spike (2350011-MS1)

Source: E312050-03

Prepared: 12/11/23 Analyzed: 12/12/23

Chloride	353	200	250	ND	141	80-120			M5
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Matrix Spike Dup (2350011-MSD1)

Source: E312050-03

Prepared: 12/11/23 Analyzed: 12/12/23

Chloride	359	200	250	ND	144	80-120	1.64	20	M5
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #117H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/13/23 15:19

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client: Pima Environmental Services		Bill To		Lab Use Only		TAT			EPA Program					
Project: Cotton Draw Unit 117 H		Attention: Devon		Lab WO# E32052		Job Number 01058-002			1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Analysis and Method								RCRA		
Address: 5614 N. Lovington Hwy.		City, State, Zip												
City, State, Zip Hobbs, NM, 88240		Phone:												
Phone: 580-748-1613		Email:												
Email: tom@pimaoil.com		Pima Project # 282												
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 3000	BGDOC NM	BGDOC TX	Remarks
8:30	12/6	S	1	S3-5'	1							X		
8:42				S4-5'	2									
8:58				S5-5'	3									

Additional Instructions: B# 21146174

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>Karime Adame</i>	Date	Time	Received by: (Signature) <i>Micelle Coyne</i>	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Micelle Coyne</i>	12-7-23	1730	Received by: (Signature) <i>Andrew Maso</i>	12-8-23	0700	
Relinquished by: (Signature) <i>Andrew Maso</i>	12-8-23	1300	Received by: (Signature) <i>[Signature]</i>	12-8-23	1300	

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: 12/11/2023 12:40:03PM

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: 12/08/23 13:00 Work Order ID: E312052
Phone: (575) 631-6977 Date Logged In: 12/08/23 14:00 Logged In By: Alexa Michaels
Email: tom@pimaoil.com Due Date: 12/18/23 17:00 (6 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

Carrier: Courier

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

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

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

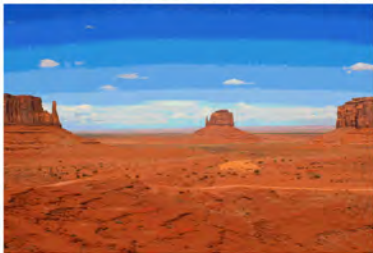
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit #117H

Work Order: E408060

Job Number: 01058-0007

Received: 8/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/13/24

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: 8/13/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Cotton Draw Unit #117H
Workorder: E408060
Date Received: 8/7/2024 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2024 10:30:00AM, under the Project Name: Cotton Draw Unit #117H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #117H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 08/13/24 12:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E408060-01A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S1-2'	E408060-02A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S1-3'	E408060-03A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S1-4'	E408060-04A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S2-1'	E408060-05A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S2-2'	E408060-06A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S2-3'	E408060-07A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S2-4'	E408060-08A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S3-1'	E408060-09A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S3-2'	E408060-10A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S3-3'	E408060-11A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S3-4'	E408060-12A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S3-5'	E408060-13A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S4-1'	E408060-14A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S4-2'	E408060-15A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S4-3'	E408060-16A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S4-4'	E408060-17A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S4-5'	E408060-18A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S5-1'	E408060-19A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S5-2'	E408060-20A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S1-1'

E408060-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.2 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		88.7 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	1700	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S1-2'

E408060-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	1410	50.0	2	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	1050	100	2	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S1-3'

E408060-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.0 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	36.9	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		99.0 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S1-4'

E408060-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.8 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	194	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	143	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S2-1'

E408060-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.9 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		99.9 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	1670	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S2-2'

E408060-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.4 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	1100	50.0	2	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	876	100	2	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		99.8 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S2-3'

E408060-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.0 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		94.0 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S2-4'

E408060-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.4 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	45.6	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		95.5 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S3-1'

E408060-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.4 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		96.7 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	141	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S3-2'

E408060-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.6 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	937	50.0	2	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	829	100	2	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S3-3'

E408060-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	37.1	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		85.1 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S3-4'

E408060-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.7 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		99.0 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S3-5'

E408060-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.0 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S4-1'

E408060-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/13/24	
<i>Surrogate: n-Nonane</i>		95.5 %	50-200	08/07/24	08/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	104	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S4-2'

E408060-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.6 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	923	50.0	2	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	776	100	2	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S4-3'

E408060-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.2 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		99.9 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S4-4'

E408060-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.9 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		100 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S4-5'

E408060-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.6 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		95.9 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S5-1'

E408060-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.8 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		78.2 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	150	20.0	1	08/08/24	08/09/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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S5-2'

E408060-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Benzene	ND	0.0250	1	08/07/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/07/24	08/09/24	
Toluene	ND	0.0250	1	08/07/24	08/09/24	
o-Xylene	ND	0.0250	1	08/07/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/07/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/07/24	08/09/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.0 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2432076
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/24	08/09/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/07/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2432069
Diesel Range Organics (C10-C28)	439	50.0	2	08/07/24	08/10/24	
Oil Range Organics (C28-C36)	363	100	2	08/07/24	08/10/24	
<i>Surrogate: n-Nonane</i>		97.6 %	50-200	08/07/24	08/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2432108
Chloride	ND	20.0	1	08/08/24	08/09/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432076-BLK1)

Prepared: 08/07/24 Analyzed: 08/09/24

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	7.14		8.00		89.3	70-130			

LCS (2432076-BS1)

Prepared: 08/07/24 Analyzed: 08/09/24

Benzene	4.73	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.49	0.0250	5.00		89.7	70-130			
Toluene	4.68	0.0250	5.00		93.6	70-130			
o-Xylene	4.56	0.0250	5.00		91.1	70-130			
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130			
Total Xylenes	13.8	0.0250	15.0		91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			

Matrix Spike (2432076-MS1)

Source: E408060-11

Prepared: 08/07/24 Analyzed: 08/09/24

Benzene	4.63	0.0250	5.00	ND	92.5	54-133			
Ethylbenzene	4.39	0.0250	5.00	ND	87.9	61-133			
Toluene	4.59	0.0250	5.00	ND	91.7	61-130			
o-Xylene	4.47	0.0250	5.00	ND	89.5	63-131			
p,m-Xylene	9.03	0.0500	10.0	ND	90.3	63-131			
Total Xylenes	13.5	0.0250	15.0	ND	90.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		92.0	70-130			

Matrix Spike Dup (2432076-MSD1)

Source: E408060-11

Prepared: 08/07/24 Analyzed: 08/09/24

Benzene	5.20	0.0250	5.00	ND	104	54-133	11.7	20	
Ethylbenzene	4.94	0.0250	5.00	ND	98.8	61-133	11.7	20	
Toluene	5.16	0.0250	5.00	ND	103	61-130	11.7	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	12.1	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	11.7	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	11.8	20	
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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Nonhalogenated Organics by EPA 8015D - GRO

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 (2432076-BLK1)

Prepared: 08/07/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.41		8.00		105	70-130		

LCS (2432076-BS2)

Prepared: 08/07/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130		

Matrix Spike (2432076-MS2)

Source: E408060-11

Prepared: 08/07/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		106	70-130		

Matrix Spike Dup (2432076-MSD2)

Source: E408060-11

Prepared: 08/07/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.7	70-130	5.71	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.47		8.00		106	70-130		



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432069-BLK1)

Prepared: 08/07/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.6		50.0		109	50-200			

LCS (2432069-BS1)

Prepared: 08/07/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	54.0		50.0		108	50-200			

Matrix Spike (2432069-MS1)

Source: E408060-08

Prepared: 08/07/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	298	25.0	250	45.6	101	38-132			
Surrogate: n-Nonane	55.3		50.0		111	50-200			

Matrix Spike Dup (2432069-MSD1)

Source: E408060-08

Prepared: 08/07/24 Analyzed: 08/10/24

Diesel Range Organics (C10-C28)	306	25.0	250	45.6	104	38-132	2.73	20	
Surrogate: n-Nonane	53.6		50.0		107	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 12:51:45PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432108-BLK1)

Prepared: 08/08/24 Analyzed: 08/09/24

Chloride	ND	20.0							
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LCS (2432108-BS1)

Prepared: 08/08/24 Analyzed: 08/09/24

Chloride	253	20.0	250		101	90-110			
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Matrix Spike (2432108-MS1)

Source: E408060-10

Prepared: 08/08/24 Analyzed: 08/09/24

Chloride	259	20.0	250	ND	104	80-120			
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Matrix Spike Dup (2432108-MSD1)

Source: E408060-10

Prepared: 08/08/24 Analyzed: 08/09/24

Chloride	259	20.0	250	ND	104	80-120	0.0802	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #117H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/13/24 12:51

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: Cotton Draw Unit 1174 Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-282		Lab Use Only Lab WO# F 408060 Job Number 01058.0007		TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
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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
10:11	8/1	S		S1-1'	1							X		
10:20				S1-2'	2									
10:26				S1-3'	3									
10:33				S1-4'	4									
10:38				S2-1'	5									
10:46				S2-2'	6									
10:53				S2-3'	7									
10:59				S2-4'	8									
11:17				S3-1'	9									
11:26				S3-2'	10									

Additional Instructions: B# 21146174

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

Relinquished by: (Signature) Karime Adame	Date 8/6/24	Time 1417	Received by: (Signature) Michelle Gonzales	Date 8-6-24	Time 1417	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) Michelle Gonzales	Date 8-6-24	Time 1705	Received by: (Signature) J.H.	Date 8-6-24	Time 1705	
Relinquished by: (Signature) J.H.	Date 8-6-24	Time 2330	Received by: (Signature) Kara Lehmy	Date 8/7/24	Time 10:30	

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

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



Client: Pima Environmental Services Project: Cotton Draw Unit 117 # Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-282		Lab Use Only Lab WO# F 408060 Job Number 010580009		TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA State NM CO UT AZ TX	
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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
11:33	8/1	S		S3-3'	11							X		
11:40				S3-4'	12									
11:47				S3-5'	13									
11:56				S4-1'	14									
11:59				S4-2'	15									
12:07				S4-3'	16									
12:23				S4-4'	17									
12:34				S4-5'	18									
12:46				S5-1'	19									
12:53				S5-2'	20									

Additional Instructions: B# 21146174

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) <i>Karime Arame</i>	Date 8/6/24	Time 2:17	Received by: (Signature) <i>Michelle Gonzales</i>	Date 8-6-24	Time 1417	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 8-6-24	Time 1705	Received by: (Signature) <i>J.H.</i>	Date 8-6-24	Time 1705	
Relinquished by: (Signature) <i>J.H.</i>	Date 8-6-24	Time 1330	Received by: (Signature) <i>Rana Lehmy</i>	Date 8/7/24	Time 10:30	

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

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



Envirotech Analytical Laboratory

Printed: 8/7/2024 10:44:16AM

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: 08/07/24 10:30	Work Order ID: E408060
Phone: (575) 631-6977	Date Logged In: 08/07/24 10:32	Logged In By: Raina Schwanz
Email: tom@pimaoil.com	Due Date: 08/13/24 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

Carrier: Courier

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

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

Comments/Resolution

No. of containers not marked on COC by client. Project: Cotton Draw Unit 117H split between workorders E408060 & E408061 due to large sample volume.

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: Cotton Draw Unit #117H

Work Order: E408061

Job Number: 01058-0007

Received: 8/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/13/24

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: 8/13/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit #117H
Workorder: E408061
Date Received: 8/7/2024 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2024 10:30:00AM, under the Project Name: Cotton Draw Unit #117H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #117H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 08/13/24 08:38
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S5-3'	E408061-01A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S5-4'	E408061-02A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
S5-5'	E408061-03A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
SW1 (0-4') Comp.	E408061-04A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
SW2 (0-4') Comp.	E408061-05A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
SW3 (0-4') Comp.	E408061-06A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
SW4 (0-4') Comp.	E408061-07A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
SW5 (0-4') Comp.	E408061-08A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
SW6 (0-4') Comp.	E408061-09A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
SW7 (0-4') Comp.	E408061-10A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
SW8 (0-4') Comp.	E408061-11A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.
BG1-1'	E408061-12A	Soil	08/01/24	08/07/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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S5-3'

E408061-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/08/24	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	08/07/24	08/08/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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S5-4'

E408061-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		98.8 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/08/24	
<i>Surrogate: n-Nonane</i>		98.5 %	50-200	08/07/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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S5-5'

E408061-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/08/24	
<i>Surrogate: n-Nonane</i>		102 %	50-200	08/07/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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SW1 (0-4') Comp.

E408061-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/08/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/07/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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SW2 (0-4') Comp.

E408061-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/08/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/07/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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SW3 (0-4') Comp.

E408061-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/08/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/07/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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SW4 (0-4') Comp.

E408061-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.6 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/08/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/07/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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SW5 (0-4') Comp.

E408061-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.3 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/08/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/07/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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SW6 (0-4') Comp.

E408061-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		96.4 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/08/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/07/24	08/08/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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SW7 (0-4') Comp.

E408061-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/09/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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SW8 (0-4') Comp.

E408061-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/09/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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BG1-1'

E408061-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Benzene	ND	0.0250	1	08/08/24	08/09/24	
Ethylbenzene	ND	0.0250	1	08/08/24	08/09/24	
Toluene	ND	0.0250	1	08/08/24	08/09/24	
o-Xylene	ND	0.0250	1	08/08/24	08/09/24	
p,m-Xylene	ND	0.0500	1	08/08/24	08/09/24	
Total Xylenes	ND	0.0250	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2432090
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/24	08/09/24	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	08/08/24	08/09/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	08/08/24	08/09/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/08/24	08/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2432073
Diesel Range Organics (C10-C28)	ND	25.0	1	08/07/24	08/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/07/24	08/09/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/07/24	08/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2432096
Chloride	ND	20.0	1	08/08/24	08/08/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432090-BLK1)

Prepared: 08/08/24 Analyzed: 08/09/24

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: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2432090-BS1)

Prepared: 08/08/24 Analyzed: 08/09/24

Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.66	0.0250	2.50		106	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.19	0.0500	5.00		104	70-130			
Total Xylenes	7.76	0.0250	7.50		103	70-130			
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	0.525		0.500		105	70-130			

Matrix Spike (2432090-MS1)

Source: E408061-01

Prepared: 08/08/24 Analyzed: 08/09/24

Benzene	2.40	0.0250	2.50	ND	95.9	48-131			
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135			
Toluene	2.54	0.0250	2.50	ND	102	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.8	43-135			
p,m-Xylene	4.77	0.0500	5.00	ND	95.3	43-135			
Total Xylenes	7.14	0.0250	7.50	ND	95.2	43-135			
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike Dup (2432090-MSD1)

Source: E408061-01

Prepared: 08/08/24 Analyzed: 08/09/24

Benzene	2.32	0.0250	2.50	ND	93.0	48-131	3.13	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.1	45-135	4.74	27	
Toluene	2.45	0.0250	2.50	ND	98.1	48-130	3.62	24	
o-Xylene	2.31	0.0250	2.50	ND	92.2	43-135	2.78	27	
p,m-Xylene	4.63	0.0500	5.00	ND	92.6	43-135	2.87	27	
Total Xylenes	6.94	0.0250	7.50	ND	92.5	43-135	2.84	27	
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432090-BLK1)

Prepared: 08/08/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2432090-BS2)

Prepared: 08/08/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2432090-MS2)

Source: E408061-01

Prepared: 08/08/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike Dup (2432090-MSD2)

Source: E408061-01

Prepared: 08/08/24 Analyzed: 08/09/24

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	3.18	20	
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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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
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Blank (2432073-BLK1)

Prepared: 08/07/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.4		50.0		111	50-200			

LCS (2432073-BS1)

Prepared: 08/07/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	249	25.0	250		99.7	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike (2432073-MS1)

Source: E408061-07

Prepared: 08/07/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.9	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			

Matrix Spike Dup (2432073-MSD1)

Source: E408061-07

Prepared: 08/07/24 Analyzed: 08/08/24

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.7	38-132	0.254	20	
Surrogate: n-Nonane	55.5		50.0		111	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 8/13/2024 8:38:24AM
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Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2432096-BLK1)

Prepared: 08/08/24 Analyzed: 08/08/24

Chloride ND 20.0

LCS (2432096-BS1)

Prepared: 08/08/24 Analyzed: 08/08/24

Chloride 254 20.0 250 102 90-110

Matrix Spike (2432096-MS1)

Source: E408068-01

Prepared: 08/08/24 Analyzed: 08/08/24

Chloride 520 20.0 250 273 99.0 80-120

Matrix Spike Dup (2432096-MSD1)

Source: E408068-01

Prepared: 08/08/24 Analyzed: 08/08/24

Chloride 526 20.0 250 273 102 80-120 1.20 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:	Cotton Draw Unit #117H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/13/24 08:38

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: Cotton Draw Unit 117 H Project Manager: Gio Gomez Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: gio@pimaoil.com Report due by:		Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-282		Lab Use Only Lab WO# F 408064 Job Number 01058-0007		TAT 1D 2D 3D Standard X			EPA Program CWA SDWA RCRA State NM CO UT AZ TX	
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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
1:17	8/1	S		S5-3'	1							X		
1:26				S5-4'	2									
1:33				S5-5'	3									
1:39				SW1 (0-4') Comp.	4									
1:47				SW2 (0-4') Comp.	5									
1:56				SW3 (0-4') Comp.	6									
2:09				SW4 (0-4') Comp.	7									
2:17				SW5 (0-4') Comp.	8									
2:23				SW6 (0-4') Comp.	9									
2:30				SW7 (0-4') Comp.	10									

Additional Instructions: B# 21146 174

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

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

Relinquished by: (Signature) <u>Karime Adame</u> Date: <u>8/6/24</u> Time: <u>2:17</u>		Received by: (Signature) <u>Michelle Gonzales</u> Date: <u>8-6-24</u> Time: <u>1417</u>		Lab Use Only Received on ice: <u>0</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date: <u>8-6-24</u> Time: <u>1705</u>		Received by: (Signature) <u>D. J.</u> Date: <u>8-6-24</u> Time: <u>1705</u>		
Relinquished by: (Signature) <u>D. J.</u> Date: <u>8-6-24</u> Time: <u>2330</u>		Received by: (Signature) <u>Karla Lopez</u> Date: <u>8/7/24</u> Time: <u>10:30</u>		

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

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



Project Information

Chain of Custody

Client: <u>Pima Environmental Services</u> Project: <u>Cotton Draw Unit 117#</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:		Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>1-282</u>		Lab Use Only Lab WO# <u>408061</u> Job Number <u>01058-000</u>		TAT 1D 2D 3D Standard <u>X</u>		EPA Program CWA SDWA RCRA State NM CO UT AZ TX	
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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
2:35	8/1	S		SW8-(0-4') comp.	11							X		
2:41	↓	↓		BG1-1'	12							I		

Additional Instructions: B# 21146174

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>Karine Adame</u>	Date <u>8/6/24</u>	Time <u>2:17</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>8-6-24</u>	Time <u>1417</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>8-6-24</u>	Time <u>1705</u>	Received by: (Signature) <u>J.M.</u>	Date <u>8-6-24</u>	Time <u>1705</u>	
Relinquished by: (Signature) <u>J.M.</u>	Date <u>8-6-24</u>	Time <u>2330</u>	Received by: (Signature) <u>Raina Lehmy</u>	Date <u>8/7/24</u>	Time <u>10:30</u>	

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

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



Envirotech Analytical Laboratory

Printed: 8/7/2024 10:53:29AM

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:	08/07/24 10:30	Work Order ID:	E408061
Phone:	(575) 631-6977	Date Logged In:	08/07/24 10:40	Logged In By:	Raina Schwanz
Email:	tom@pimaoil.com	Due Date:	08/13/24 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

Carrier: Courier

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

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

Comments/Resolution

No. of containers not marked on COC by client. Project: Cotton Draw Unit 117H split between workorders E408060 & E408061 due to large sample volume.

Client Instruction

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

Date



envirotech Inc.

Report to:
Delrae Geller



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cotton Draw Unit #117H

Work Order: E504085

Job Number: 01058-0007

Received: 4/10/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/11/25

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: 4/11/25

Delrae Geller
PO Box 247
Plains, TX 79355-0247



Project Name: Cotton Draw Unit #117H
Workorder: E504085
Date Received: 4/10/2025 11:30:00PM

Delrae Geller,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/10/2025 11:30:00PM, under the Project Name: Cotton Draw Unit #117H.

The analytical test results summarized in this report with the Project Name: Cotton Draw Unit #117H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 04/11/25 11:31
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1-COMP.	E504085-01A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CS2-COMP.	E504085-02A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CS3-COMP.	E504085-03A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CSW1-COMP.	E504085-04A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CSW2-COMP.	E504085-05A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.
CSW3-COMP.	E504085-06A	Soil	04/09/25	04/10/25	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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**CS1-COMP.
E504085-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515101
Chloride	964	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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**CS2-COMP.
E504085-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2515101
Chloride	280	20.0	1	04/11/25	04/11/25	

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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**CS3-COMP.
E504085-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2515101
Chloride	522	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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**CSW1-COMP.
E504085-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.4 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2515101
Chloride	540	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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CSW2-COMP.

E504085-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2515101
Chloride	538	20.0	1	04/11/25	04/11/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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CSW3-COMP.

E504085-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Benzene	ND	0.0250	1	04/11/25	04/11/25	
Ethylbenzene	ND	0.0250	1	04/11/25	04/11/25	
Toluene	ND	0.0250	1	04/11/25	04/11/25	
o-Xylene	ND	0.0250	1	04/11/25	04/11/25	
p,m-Xylene	ND	0.0500	1	04/11/25	04/11/25	
Total Xylenes	ND	0.0250	1	04/11/25	04/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.4 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515103
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/25	04/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	04/11/25	04/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/10/25	04/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/10/25	04/11/25	
<i>Surrogate: n-Nonane</i>						
		113 %	61-141	04/10/25	04/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515101
Chloride	554	20.0	1	04/11/25	04/11/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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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
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Blank (2515103-BLK1)

Prepared: 04/11/25 Analyzed: 04/11/25

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	7.89		8.00		98.7	70-130			

LCS (2515103-BS1)

Prepared: 04/11/25 Analyzed: 04/11/25

Benzene	4.30	0.0250	5.00		86.0	70-130			
Ethylbenzene	4.23	0.0250	5.00		84.6	70-130			
Toluene	4.29	0.0250	5.00		85.8	70-130			
o-Xylene	4.21	0.0250	5.00		84.2	70-130			
p,m-Xylene	8.42	0.0500	10.0		84.2	70-130			
Total Xylenes	12.6	0.0250	15.0		84.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

LCS Dup (2515103-BSD1)

Prepared: 04/11/25 Analyzed: 04/11/25

Benzene	4.44	0.0250	5.00		88.7	70-130	3.17	20	
Ethylbenzene	4.38	0.0250	5.00		87.6	70-130	3.51	20	
Toluene	4.42	0.0250	5.00		88.5	70-130	3.11	20	
o-Xylene	4.35	0.0250	5.00		87.1	70-130	3.40	20	
p,m-Xylene	8.72	0.0500	10.0		87.2	70-130	3.48	20	
Total Xylenes	13.1	0.0250	15.0		87.1	70-130	3.46	20	
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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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
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Blank (2515103-BLK1)

Prepared: 04/11/25 Analyzed: 04/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			

LCS (2515103-BS2)

Prepared: 04/11/25 Analyzed: 04/11/25

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

LCS Dup (2515103-BSD2)

Prepared: 04/11/25 Analyzed: 04/11/25

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.2	70-130	2.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515091-BLK1)

Prepared: 04/10/25 Analyzed: 04/10/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.3		50.0		107	61-141			

LCS (2515091-BS1)

Prepared: 04/10/25 Analyzed: 04/10/25

Diesel Range Organics (C10-C28)	300	25.0	250		120	66-144			
Surrogate: <i>n</i> -Nonane	55.4		50.0		111	61-141			

LCS Dup (2515091-BSD1)

Prepared: 04/10/25 Analyzed: 04/10/25

Diesel Range Organics (C10-C28)	306	25.0	250		122	66-144	2.17	20	
Surrogate: <i>n</i> -Nonane	56.0		50.0		112	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Cotton Draw Unit #117H Project Number: 01058-0007 Project Manager: Delrae Geller	Reported: 4/11/2025 11:31:59AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2515101-BLK1)

Prepared: 04/10/25 Analyzed: 04/10/25

Chloride	ND	20.0							
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LCS (2515101-BS1)

Prepared: 04/10/25 Analyzed: 04/10/25

Chloride	252	20.0	250		101	90-110			
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LCS Dup (2515101-BSD1)

Prepared: 04/10/25 Analyzed: 04/10/25

Chloride	253	20.0	250		101	90-110	0.424	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Cotton Draw Unit #117H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Delrae Geller	04/11/25 11:31

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Pima Environmental Services, LLC				Company: DEVON				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: Cotton Draw Unit #117 H				Address:				E504085		01058-0007		X				X			
Project Manager: DelRae Geller				City, State, Zip:															
Address: 5614 N Lovington Hwy				Phone:															
City, State, Zip: Hobbs, NM 88240				Email:															
Phone: 806-724-5391				Miscellaneous: Project No. #1-282															
Email: delrae@pimaoil.com																			

Sample Information										Analysis and Method								EPA Program			Remarks
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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Plg	SDWA	CWA	RCRA			
Compliance Y or N																					
12:00	4/9/2025	s		CS1- COMP.		1						X									
12:18	4/9/2025	s		CS2- COMP.		2						X									
12:22	4/9/2025	s		CS3-COMP.		3						X									
12:29	4/9/2025	s		CSW1- COMP.		4						X									
12:38	4/9/2025	s		CSW2- COMP.		5						X									
12:49	4/9/2025	s		CSW3- COMP.		6						X									

Additional Instructions: BILLING- 21146174

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						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.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp oC <u>4</u>					
Andrew Franco	4/9/25	2:00	Carime Adame	4/10/25	9:03						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Carime Adame	4/10/25	1:00	Michelle Gonzales	4.10.25	1300						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Michelle Gonzales	4.10.25	1615	Andrew Franco	4.10.25	1645						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Andrew Franco	4.10.25	2300	Michelle Gonzales	4.10.25	2330						

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: 4/11/2025 8:41:49AM

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: 04/10/25 23:30 Work Order ID: E504085
Phone: (575) 631-6977 Date Logged In: 04/10/25 14:33 Logged In By: Caitlin Mars
Email: Due Date: 04/11/25 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

Carrier: Courier

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

Comments/Resolution

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? 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

[Empty box for 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 478336

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 478336
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1808251008
Incident Name	NAB1808251008 COTTON DRAW UNIT #117H @ 30-015-38434
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-38434] COTTON DRAW UNIT #117H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	COTTON DRAW UNIT #117H
Date Release Discovered	03/11/2018
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Treating Tower Crude Oil Released: 13 BBL Recovered: 0 BBL Lost: 13 BBL.
Produced Water Released (bbls) Details	Not answered.
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.

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QUESTIONS, Page 2

Action 478336

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 478336
	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)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

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	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.ralej@dvn.com Date: 06/24/2025
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QUESTIONS, Page 3

Action 478336

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 478336
	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	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	1700
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2460
GRO+DRO (EPA SW-846 Method 8015M)	1410
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	12/23/2024
On what date will (or did) the final sampling or liner inspection occur	08/01/2024
On what date will (or was) the remediation complete(d)	01/23/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	400
What is the estimated volume (in cubic yards) that will be remediated	38

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
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QUESTIONS, Page 4

Action 478336

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 478336
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	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

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 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@dvn.com Date: 11/22/2024
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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 5

Action 478336

QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 478336

QUESTIONS (continued)

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	Action Number: 478336
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	449198
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/09/2025
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	400

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	400
What was the total volume (cubic yards) remediated	38
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	400
What was the total volume (in cubic yards) reclaimed	38
Summarize any additional remediation activities not included by answers (above)	Site remediated

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: 06/24/2025
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QUESTIONS, Page 7

Action 478336

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 478336

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The Remediation Closure is approved.	7/1/2025
michael.buchanan	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.	7/1/2025
michael.buchanan	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.	7/1/2025
michael.buchanan	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.	7/1/2025
michael.buchanan	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.	7/1/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	7/1/2025