

MULE 23-11 FED COM #822H

nAPP2305244923 Remediation Closure Report



For Devon Energy Production, LP
By Pima Environmental Services, LLC

April 3, 2025

Bureau of Land Management
620 East Green St
Carlsbad, NM, 88220

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

**Re: Remediation Closure Report
Mule 23-11 Fed Com 822H
API No. 30-015-49388
GPS: Latitude 32.7556763 Longitude -103.9067688
ULSTR - O - 7 - 18S - 31E 330 FSL 1980 FEL Eddy County, NM
NMOCD Incident ID nAPP2305244923**

This produced water release was discovered by the operator on January 15, 2023. The initial Notification of Release and C-141 form were submitted on February 21, 2023, and approved on February 22, 2023 (OCD Online: Permitting - Application IDs 188707 & 188715). A Corrected C-141 Form can be found in Appendix C. This incident was assigned Incident ID nAPP2305244923 by the New Mexico Oil Conservation Division (NMOCD).

Release Information

nAPP2305244923: On January 15, 2023, a victaulic fitting on a lay flat hose developed a leak, causing fluid to be released. The released fluids were calculated to be approximately 25 barrels (bbls) of produced water. A vacuum truck was able to recover 15 bbls of standing fluid.

Site Characterization

The Mule release area is located approximately twenty (20) miles southeast of Malaga, NM. To correct the previously submitted report (OCD Online: Permitting - Application ID 239946) this spill site is in Unit D, Section 23, Township 25S, Range 31E, Latitude 32.119791 Longitude -103.757122, 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. Reference Figure 2 for a Topographic Map. There is a low potential for karst geology to be present around the Mule (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 390 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 406 feet BGS. Groundwater information near this well is more than ½-mile away and the release area is solely in the pasture so the closure criteria for this release will be classified under the <50' to groundwater section of Table 1 19.15.29.12 NMAC. The closest waterway is Red Bluff Reservoir located approximately 14.94 miles to the southwest of this location. See Appendix A for referenced water surveys and water-related maps.

The closure criteria for this release area will be classified under the less than 50-foot groundwater section of Table 1 19.15.29.12 NMAC as the area lies off the east edge of the pad surface. Chlorides should be 600 mg/kg or less, TPH (GRO+DRO+ORO) should be 100 mg/kg or less, BTEX should be 50 mg/kg or less, and Benzene should be 10 mg/kg or less.

Countermeasures due to Remediation Closure Report Denied

On May 24, 2023, Pima mobilized personnel to the site to begin collecting soil samples for delineation from spill area. Thirty-two (32) discreet samples were collected from within the release area for the purpose of determining vertical delineation. Ten (10) composite samples were collected from the edges of the release for the purpose of determining horizontal delineation. All samples were collected, put on ice, jarred, and delivered to Envirotech Labs for official testing. All samples were tested for all constituents.

The Data Tables containing the laboratory results of this sampling event can be found in Figure 4. A Corrected Site Map can be found in Figure 5 with all sample points labeled and the current image of the release area represented. Photographic Documentation can be found in Appendix D.

On June 8, 2024, Pima returned to the site to complete the delineation process and collect additional soil samples from the release area. Twenty-eight (28) additional samples were collected from within the release area and one (1) sample was collected from the nearby pasture for a background. All samples were collected, put on ice, jarred, and delivered to Envirotech Analytical Laboratories for official testing. All samples were tested for all the constituents listed in Table 1 19.15.29.12 NMAC. The Data Tables containing the results of this sampling event can also be found in Figure 4. A total of 71 samples were collected during the combined sampling events. Complete Laboratory Reports can be referenced in Appendix E.

On July 16, 2024, the NMOCD denied the remediation 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#) nAPP2305244923, for the following reasons:

- **On the C-141 form where it says, "Is the concentration of dissolved chloride in the produced water >10,000 mg/l? If the "No" box is checked, the OCD will need a water sample taken from the water source. Please provide these results in the resubmission.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 357039. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141."

On July 16, 2024, Pima and Devon began investigating the water source for the frac at this site due to the presence of three lay-flat hoses. The Devon completions department identified the water source as the Cotton Draw 22 Water Treatment Facility and provided a Water Analysis Report (Figure 6) from May 30, 2024. This report includes detailed analytical data, with a chloride concentration of 76,874 mg/L. The facility's location is shown in the Water Source Location Map (Figure 7).

Explanation Summary

*To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),
The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAPP2305244923, for the following reasons:*

- ***The Remediation Closure Report is Denied. Looking at the photos, it appears no excavation took place at this site. Please explain how the samples showed essentially no contaminants in the lab analyzed soil samples for chlorides, while the source water sample from the Cotton Draw 22 Water Treatment Facility was 76,874 mg/L. Also, please explain how five-point composite sidewall samples SW 1 and SW 2 (0-4' Comp) were completed, when there was no excavation.***

*The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 370483.
Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.*

In response to the denial, the reported GPS coordinates on the initial C-141 form do, in fact, match those in this report and are specific to the #822H wellhead location. However, further research into Devon's internal reporting system identified the actual GPS coordinates for the initial point of release as 32.1204928 latitude, -103.74948743 longitude, located just east of the wellhead along the eastern edge of the pad surface. Initial post-release photos confirm this information. As a result, the area previously tested—on two separate occasions over the past two years—was not the correct release site, explaining the absence of contamination in those tests.

This produced water release occurred during water transfer activities while a third-party contractor was supplying water for drilling and fracking operations on the pad surface. The contractor remediated the area; however, communication with Devon and proper documentation of the remediation were inadvertently overlooked. Devon now proposes to collect samples to assess whether contamination remains in the area of concern and will remediate any contamination found.

On January 27, 2025, a remediation work plan was submitted for the proposed sampling and remediation of the corrected release area. This plan was conditionally approved, on February 21, 2025, by the NMOCD citing: "The Remediation Plan is Conditionally Approved. The Variance Request is Denied for 400 ft² confirmation samples. The Variance Request to use delineation samples as

confirmation samples is Denied. Water analysis from the source shows this is a very highly concentrated chloride produced water release. Make sure the soil samples are properly taken/handled, and correct sampling protocol is followed. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The release area will need confirmation floor/sidewall samples representing no more than 200 ft². All sidewall samples should be taken from the sidewall of the excavation. All off-pad areas must meet OCD reclamation/revegetation standards. The Proposed Sampling Map included in the approved work plan can be seen in Figure 8.

Remediation/Sampling Activities

On February 27, 2025, after Devon submitted a 48-hour notification of sampling (Appendix C), Pima personnel mobilized to the site to collect the proposed samples. The new, correct area of concern measures approximately 3,629 square feet on the east edge of the pad. Discrete samples were collected from within and around the edges of this release area to evaluate the presence of contaminants. Fifty (50) samples were collected from 10 different sample points within the release area from depths of surface, 1', 2', 3', and 4' bgs. Thirty (30) samples were collected from 6 different sample points around the edges of the release area from depths of surface, 1', 2', 3', and 4' bgs. Two (2) samples were collected from 2 different sample points in the pasture to serve as background samples. These samples were collected from a depth of 1' bgs. All samples will be put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratories where they will be analyzed for all the constituents listed in Table 1 19.15.29.12 NMAC.

On March 6 and 7, 2025, the analytical report was received and verified that all but two (2) sample points showed results (Figure 4) that were under the regulatory limits as per the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Sample points 5 and 9 showed results for TPH at depths of 1' and 3' bgs that were over the regulatory limits. Complete Laboratory Reports can be found in Appendix E.

On March 17, 2025, the Devon construction department and Pima mobilized personnel and equipment to the site to begin remediating the sample points 5 and 9. The areas surrounding each sample point were measured out to approximately 400 square feet each. Sample point 5 was excavated to a depth of 4' bgs, and sample point 9 was excavated to a depth of 2' bgs. Approximately 89 cubic yards of contaminated soil were removed and hauled to a NMOCD-approved disposal facility. Clean, like material was brought back to the site and stockpiled for backfilling the excavation.

On March 19, 2025, after Devon submitted a 48-hour notification of sampling (Appendix C), Pima personnel mobilized to the site to collect 5-point composite confirmation samples of the excavations. From the sample point 5 excavation, ten (10) subsamples were collected to form two 5-point composite samples from the base of the excavation. Fifteen (15) subsamples were collected to form three 5-point composite samples from the walls of the excavation where the perimeter is calculated to be 80 linear feet, and the depth is 4' bgs. From the sample point 9 excavation, ten (10) subsamples were collected to form two 5-point composite samples from the base of the excavation. Ten (10) subsamples were collected to form two 5-point composite samples from the walls of the excavation where the perimeter is calculated to be 80 linear feet, and the depth is 2' bgs. All samples were put on ice, prepared for delivery, then delivered to Envirotech Analytical Laboratories where they were analyzed for all the constituents listed in Table 1 19.15.29.12 NMAC.

On March 21, 2025, the analytical report was received and verified that all samples reported results (Figure 4) that were under the regulatory limits as per the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. Complete Laboratory Reports can be found in Appendix E. A Confirmation Sample Map can be found in Figure 9.

Approval Request

Devon requests that this remediation closure report for the incident, nAPP2305244923, be approved. Devon has complied with the applicable requirements outlined in rules 19.15.29.12 and 19.15.29.13 NMAC. At such time that all soil is confirmed to be free of contaminants, Devon will prepare the seed bed and reseed the area with an approved seed mixture. A reclamation and revegetation report will be submitted once final activities are complete and Devon will monitor the area of concern for proper vegetation growth.

Should you have any questions or need additional information, please feel free to contact:
Devon Energy – Jim Raley – jim.ralej@dv.com – 575-689-7597
Pima Environmental – Tom Bynum – tom@pimaoil.com – 580-748-1613

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Data Tables
- 5- Corrected Site Map
- 6- Water Analysis Report
- 7- Water Source Location Map
- 8- Proposed Sampling Map
- 9- Confirmation Sample Map

Appendices:

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



Figures:

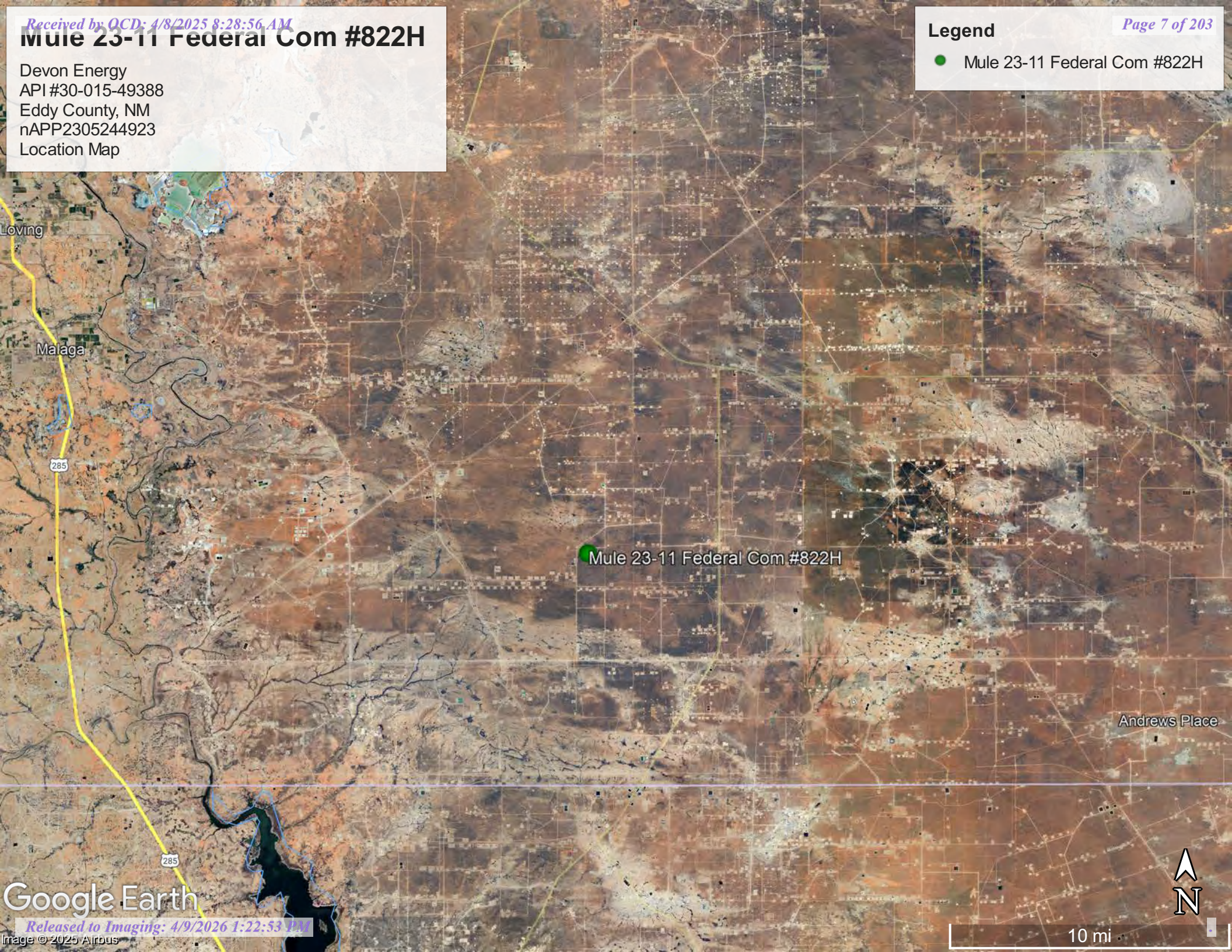
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Mule 23-11 Federal Com #822H

Devon Energy
API #30-015-49388
Eddy County, NM
nAPP2305244923
Location Map

Legend

- Mule 23-11 Federal Com #822H

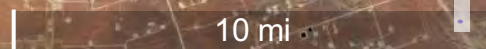


Mule 23-11 Federal Com #822H

Andrews Place

285

Google Earth

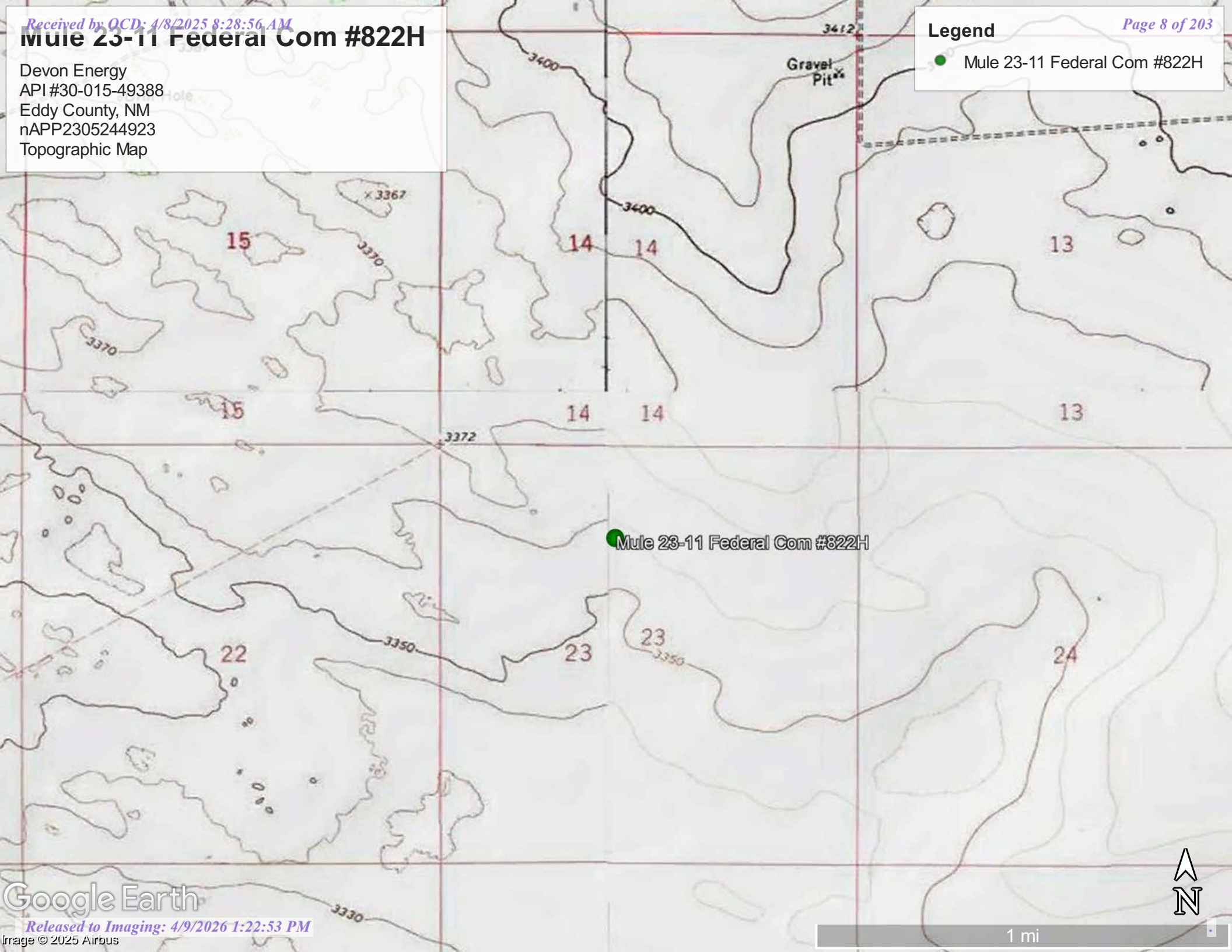


Mule 23-11 Federal Com #822H

Devon Energy
API #30-015-49388
Eddy County, NM
nAPP2305244923
Topographic Map

Legend

- Mule 23-11 Federal Com #822H

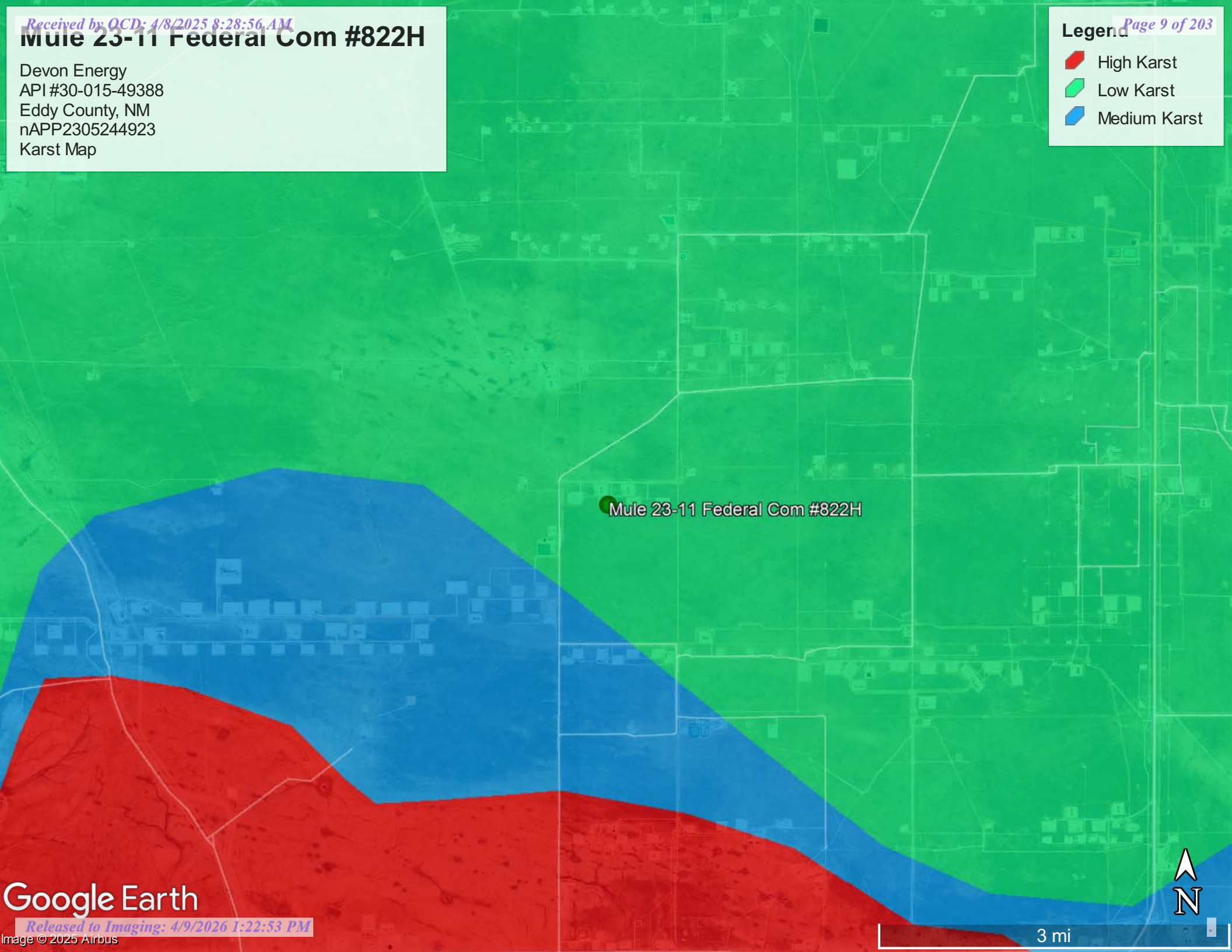


Mule 23-11 Federal Com #822H

Devon Energy
API #30-015-49388
Eddy County, NM
nAPP2305244923
Karst Map

Legend

- High Karst
- Low Karst
- Medium Karst



NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
DEVON ENERGY - MULE 23-11 FED COM 822H - nAPP2305244923									
NM Approved Laboratory Results									
Sample ID	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-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S1-1'	5/24/2023	1'	ND	ND	ND	ND	ND	0	ND
S1-2'	5/24/2023	2'	ND	ND	ND	ND	ND	0	ND
S1-3'	5/24/2023	3'	ND	ND	ND	ND	ND	0	ND
S1-4'	5/24/2023	4'	ND	ND	ND	ND	ND	0	ND
S2-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S2-1'	6/8/2024	1'	ND	ND	ND	ND	ND	0	ND
S2-2'	6/8/2024	2'	ND	ND	ND	ND	ND	0	ND
S2-3'	6/8/2024	3'	ND	ND	ND	ND	ND	0	ND
S2-4'	6/8/2024	4'	ND	ND	ND	ND	ND	0	ND
S3-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	74.4
S3-1'	5/24/2023	1'	ND	ND	ND	ND	ND	0	ND
S3-2'	5/24/2023	2'	ND	ND	ND	ND	ND	0	ND
S3-3'	5/24/2023	3'	ND	ND	ND	ND	ND	0	ND
S3-4'	5/24/2023	4'	ND	ND	ND	ND	ND	0	ND
S4-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S4-1'	5/24/2023	1'	ND	ND	ND	ND	ND	0	ND
S4-2'	5/24/2023	2'	ND	ND	ND	ND	ND	0	ND
S4-3'	5/24/2023	3'	ND	ND	ND	ND	ND	0	ND
S4-4'	5/24/2023	4'	ND	ND	ND	ND	ND	0	ND
S5-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S5-1'	5/24/2023	1'	ND	ND	ND	ND	ND	0	ND
S5-2'	5/24/2023	2'	ND	ND	ND	ND	ND	0	ND
S5-3'	5/24/2023	3'	ND	ND	ND	ND	ND	0	ND
S5-4'	5/24/2023	4'	ND	ND	ND	ND	ND	0	ND
S6-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S6-1'	6/8/2024	1'	ND	ND	ND	ND	ND	0	ND
S6-2'	6/8/2024	2'	ND	ND	ND	ND	ND	0	ND
S6-3'	6/8/2024	3'	ND	ND	ND	ND	ND	0	ND
S6-4'	6/8/2024	4'	ND	ND	ND	ND	ND	0	ND
S7-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S7-1'	5/24/2023	1'	ND	ND	ND	ND	ND	0	ND
S7-2'	5/24/2023	2'	ND	ND	ND	ND	ND	0	ND
S7-3'	5/24/2023	3'	ND	ND	ND	ND	ND	0	ND
S7-4'	5/24/2023	4'	ND	ND	ND	ND	ND	0	ND
S8-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S8-1'	5/24/2023	1'	ND	ND	ND	ND	ND	0	ND
S8-2'	5/24/2023	2'	ND	ND	ND	ND	ND	0	ND
S8-3'	5/24/2023	3'	ND	ND	ND	ND	ND	0	ND
S8-4'	5/24/2023	4'	ND	ND	ND	ND	ND	0	ND

Sample ID	Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
S9-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S9-1'	5/24/2023	1'	ND	ND	ND	ND	ND	0	ND
S9-2'	5/24/2023	2'	ND	ND	ND	ND	ND	0	ND
S9-3'	5/24/2023	3'	ND	ND	ND	ND	ND	0	ND
S9-4'	5/24/2023	4'	ND	ND	ND	ND	ND	0	ND
S10-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S10-1'	6/8/2024	1'	ND	ND	ND	ND	ND	0	ND
S10-2'	6/8/2024	2'	ND	ND	ND	ND	ND	0	ND
S10-3'	6/8/2024	3'	ND	ND	ND	ND	ND	0	ND
S10-4'	6/8/2024	4'	ND	ND	ND	ND	ND	0	ND
S11-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S11-1'	6/8/2024	1'	ND	ND	ND	ND	ND	0	ND
S11-2'	6/8/2024	2'	ND	ND	ND	ND	ND	0	ND
S11-3'	6/8/2024	3'	ND	ND	ND	ND	ND	0	ND
S11-4'	6/8/2024	4'	ND	ND	ND	ND	ND	0	ND
S12-Surface	6/8/2024	0'	ND	ND	ND	ND	ND	0	ND
S12-1'	5/24/2023	1'	ND	ND	ND	ND	ND	0	ND
S12-2'	5/24/2023	2'	ND	ND	ND	ND	ND	0	ND
S12-3'	5/24/2023	3'	ND	ND	ND	ND	ND	0	ND
S12-4'	5/24/2023	4'	ND	ND	ND	ND	ND	0	ND
SW 1	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW 2	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW 3	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW 4	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW 5	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW 6	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW 7	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW 8	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW 9	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
SW10	5/24/2023	0-4' Comp	ND	ND	ND	ND	ND	0	ND
BG1	6/8/2024	1'	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - MULE 23-11 FED COM 822H - nAPP2305244923								
Date: 2/27/2025			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
1-Surface	0'	ND	ND	ND	ND	ND	ND	86.1
1-1'	1'	ND	ND	ND	34.4	ND	34.4	142
1-2'	2'	ND	ND	ND	ND	ND	ND	41.2
1-3'	3'	ND	ND	ND	ND	ND	ND	33.5
1-4'	4'	ND	ND	ND	ND	ND	ND	37.2
2-Surface	0'	ND	ND	ND	32.2	ND	32.2	206
2-1'	1'	ND	ND	ND	ND	ND	ND	72.1
2-2'	2'	ND	ND	ND	ND	ND	ND	70.5
2-3'	3'	ND	ND	ND	ND	ND	ND	ND
2-4'	4'	ND	ND	ND	ND	ND	ND	62.2
3-Surface	0'	ND	ND	ND	27.8	ND	27.8	403
3-1'	1'	ND	ND	ND	59.4	ND	59.4	505
3-2'	2'	ND	ND	ND	ND	ND	ND	61.2
3-3'	3'	ND	ND	ND	ND	ND	ND	299
3-4'	4'	ND	ND	ND	31.5	ND	31.5	229
4-Surface	0'	ND	ND	ND	35.7	ND	35.7	135
4-1'	1'	ND	ND	ND	81.4	ND	81.4	398
4-2'	2'	ND	ND	ND	68.4	ND	68.4	270
4-3'	3'	ND	ND	ND	55.3	ND	55.3	205
4-4'	4'	ND	ND	ND	34.3	ND	34.3	125
5-Surface	0'	ND	ND	ND	33.5	ND	33.5	87.8
5-1'	1'	ND	ND	ND	129	ND	129	402
5-2'	2'	ND	ND	ND	ND	ND	ND	49.2
5-3'	3'	ND	ND	ND	254	80	334	140
5-4'	4'	ND	ND	ND	63.1	ND	63.1	209
6-Surface	0'	ND	ND	ND	ND	ND	ND	329
6-1'	1'	ND	ND	ND	ND	ND	ND	310
6-2'	2'	ND	ND	ND	ND	ND	ND	79.1
6-3'	3'	ND	ND	ND	ND	ND	ND	93
6-4'	4'	ND	ND	ND	ND	ND	ND	53.1
7-Surface	0'	ND	ND	ND	ND	ND	ND	420
7-1'	1'	ND	ND	ND	27.7	ND	27.7	196
7-2'	2'	ND	ND	ND	ND	ND	ND	54.5
7-3'	3'	ND	ND	ND	ND	ND	ND	61.7
7-4'	4'	ND	ND	ND	ND	ND	ND	107
8-Surface	0'	ND	ND	ND	ND	ND	ND	158
8-1'	1'	ND	ND	ND	ND	ND	ND	26.5
8-2'	2'	ND	ND	ND	ND	ND	ND	64.1
8-3'	3'	ND	ND	ND	ND	ND	ND	32
8-4'	4'	ND	ND	ND	ND	ND	ND	ND

Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
9-Surface	0'	ND	ND	ND	ND	ND	ND	52.4
9-1'	1'	ND	ND	ND	769	306	1075	414
9-2'	2'	ND	ND	ND	71.2	ND	71.2	401
9-3'	3'	ND	ND	ND	ND	ND	ND	30.3
9-4'	4'	ND	ND	ND	ND	ND	ND	86.5
10-Surface	0'	ND	ND	ND	35.5	ND	35.5	343
10-1'	1'	ND	ND	ND	ND	ND	ND	121
10-2'	2'	ND	ND	ND	ND	ND	ND	30.8
10-3'	3'	ND	ND	ND	ND	ND	ND	38.1
10-4'	4'	ND	ND	ND	ND	ND	ND	ND
W1-Surface	0'	ND	ND	ND	ND	ND	ND	ND
W1-1'	1'	ND	ND	ND	ND	ND	ND	ND
W1-2'	2'	ND	ND	ND	ND	ND	ND	ND
W1-3'	3'	ND	ND	ND	ND	ND	ND	ND
W1-4'	4'	ND	ND	ND	ND	ND	ND	ND
W2-Surface	0'	ND	ND	ND	ND	ND	ND	ND
W2-1'	1'	ND	ND	ND	ND	ND	ND	ND
W2-2'	2'	ND	ND	ND	ND	ND	ND	ND
W2-3'	3'	ND	ND	ND	ND	ND	ND	ND
W2-4'	4'	ND	ND	ND	ND	ND	ND	ND
W3-Surface	0'	ND	ND	ND	ND	ND	ND	ND
W3-1'	1'	ND	ND	ND	ND	ND	ND	ND
W3-2'	2'	ND	ND	ND	ND	ND	ND	ND
W3-3'	3'	ND	ND	ND	ND	ND	ND	ND
W3-4'	4'	ND	ND	ND	ND	ND	ND	ND
W4-Surface	0'	ND	ND	ND	ND	ND	ND	ND
W4-1'	1'	ND	ND	ND	ND	ND	ND	ND
W4-2'	2'	ND	ND	ND	ND	ND	ND	ND
W4-3'	3'	ND	ND	ND	ND	ND	ND	ND
W4-4'	4'	ND	ND	ND	ND	ND	ND	ND
W5-Surface	0'	ND	ND	ND	ND	ND	ND	ND
W5-1'	1'	ND	ND	ND	ND	ND	ND	ND
W5-2'	2'	ND	ND	ND	ND	ND	ND	ND
W5-3'	3'	ND	ND	ND	ND	ND	ND	ND
W5-4'	4'	ND	ND	ND	ND	ND	ND	ND
W6-Surface	0'	ND	ND	ND	ND	ND	ND	ND
W6-1'	1'	ND	ND	ND	ND	ND	ND	ND
W6-2'	2'	ND	ND	ND	ND	ND	ND	ND
W6-3'	3'	ND	ND	ND	ND	ND	ND	ND
W6-4'	4'	ND	ND	ND	ND	ND	ND	ND
BG1-1'	1'	ND	ND	ND	ND	ND	ND	ND
BG2-1'	1'	ND	ND	ND	ND	ND	ND	ND

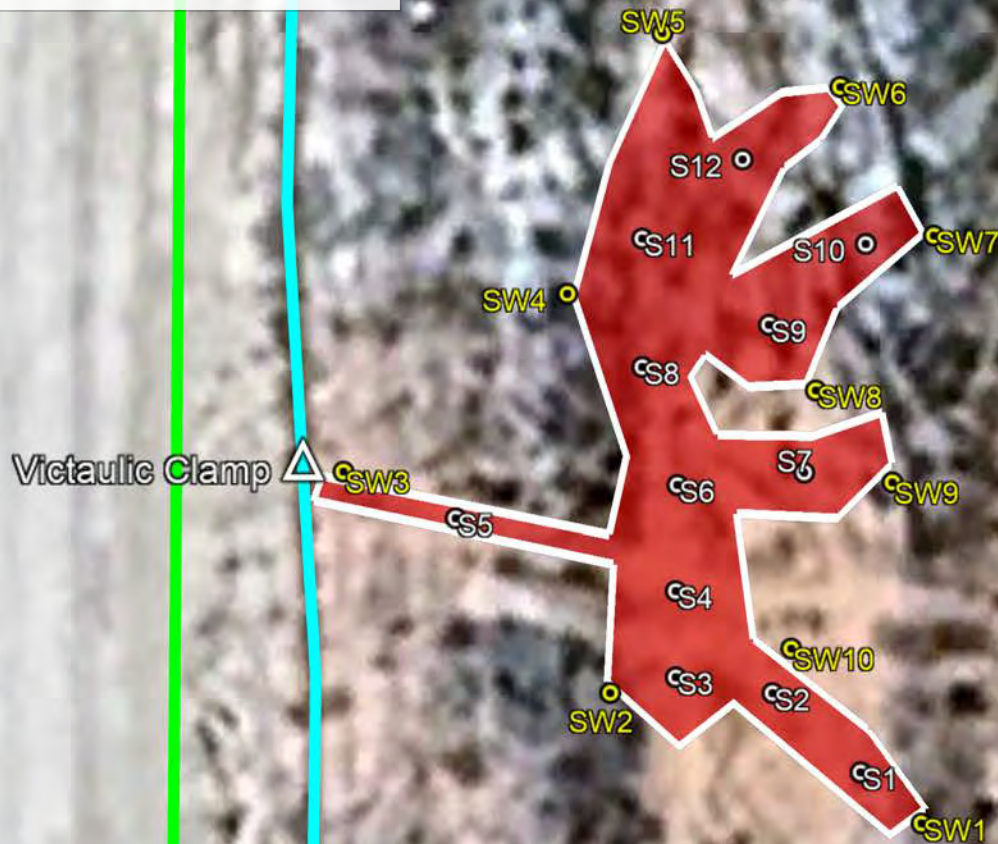
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - MULE 23-11 FED COM 822H - nAPP2305244923								
Date: 3/19/2025			NM Approved Laboratory Results					
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
1-4'	4'	ND	ND	ND	ND	ND	ND	ND
2-4'	4'	ND	ND	ND	ND	ND	ND	ND
3-2'	2'	ND	ND	ND	ND	ND	ND	ND
4-2'	2'	ND	ND	ND	ND	ND	ND	ND
W1-4'	4'	ND	ND	ND	ND	ND	ND	ND
W2-4'	4'	ND	ND	ND	ND	ND	ND	ND
W3-4'	4'	ND	ND	ND	ND	ND	ND	ND
W4-2'	2'	ND	ND	ND	ND	ND	ND	ND
W5-2'	2'	ND	ND	ND	ND	ND	ND	ND

Mule 23-11 Fed Com 822H

Devon Energy
API #30-015-49388
Eddy County, NM
nAPP2305244923
Corrected Site Map

Legend

- Background sample
- Horizontal delineation samples
- Layflat Hose
- Lease road
- New Underground pipelines
- Release area - 1,306 sqft
- Vertical delineation samples



Google Earth



60 ft



Water Analysis Report

SYSTEM IDENTIFICATION

2405-021 Devon Energy
 Cotton Draw 22 Water Treatment Facility
 Permian
 Received on 5/30/2024

Sample ID#: 0
 ID: 1.00

Sample Date: 05-30-2024 at 1200
 Report Date: 05-30-2024

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	5743
Magnesium(as Mg)	691.95
Barium(as Ba)	5.97
Strontium(as Sr)	871.51
Sodium(as Na)	41303
Potassium(as K)	771.32
Lithium(as Li)	24.94
Iron(as Fe)	1.01
Aluminum(as Al)	0.190
Manganese(as Mn)	1.01
Zinc(as Zn)	2.47

ANIONS

Chloride(as Cl)	76874
Sulfate(as SO ₄)	646.18
Dissolved CO ₂ (as CO ₂)	44.44
Bicarbonate(as HCO ₃)	237.09
Carbonate(as CO ₃)	0.00
Silica(as SiO ₂)	20.18
Phosphate(as PO ₄)	0.00
Boron(as B)	103.06

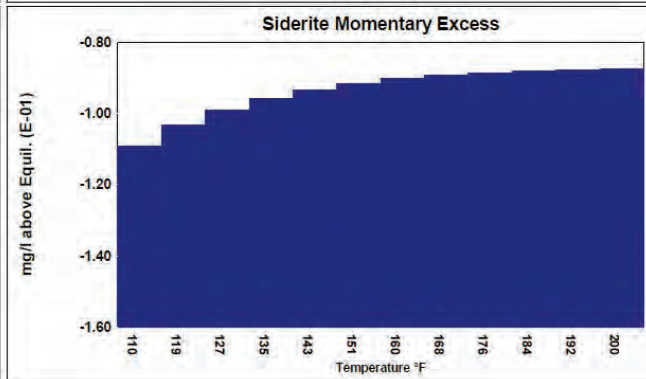
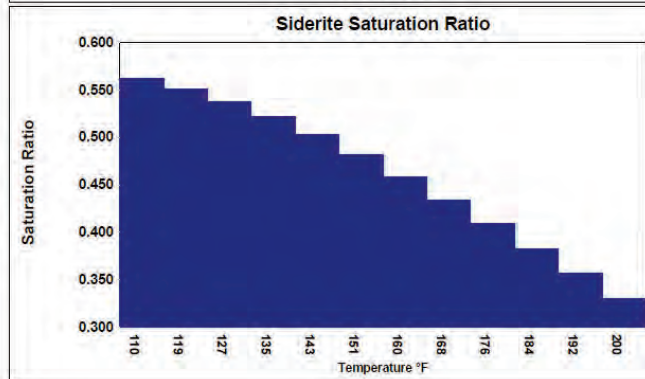
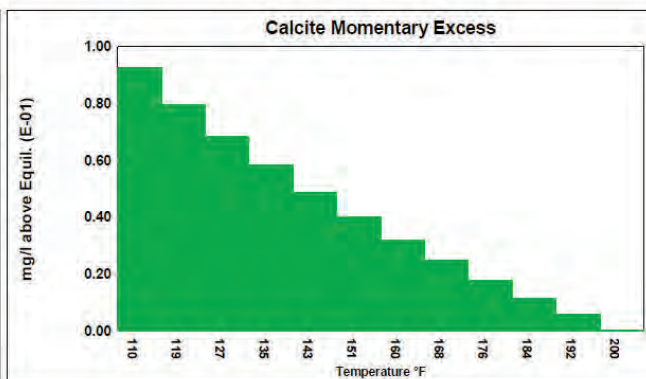
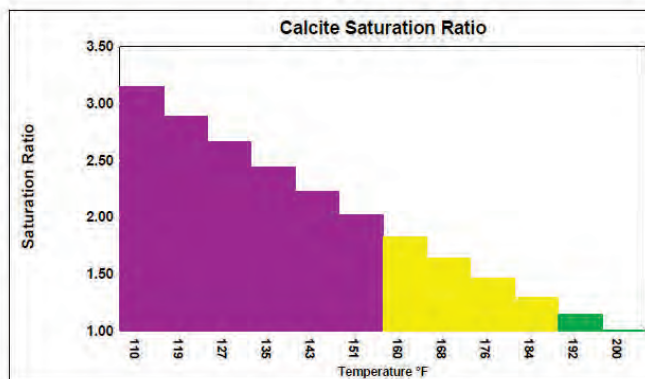
PARAMETERS

Temperature(°F)	77.00	Sample pH	6.81
Conductivity	198843	Sp.Gr.(g/mL)	1.08
Resistivity	5.03	T.D.S.	134808

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (psia)	Calcite CaCO ₃	Anhydrite CaSO ₄	Gypsum CaSO ₄ *2H ₂ O	Barite BaSO ₄	Celestite SrSO ₄	Siderite FeCO ₃	Mackawenite FeS	CO ₂ (mpy)	pCO ₂ (psia)							
110.00	14.70	3.15	0.0925	0.365	-535.85	0.429	-466.93	7.39	9.45	1.67	151.73	0.562	-0.109	0.00	-1.66	0.0831	0.349
119.00	160.20	2.89	0.0794	0.378	-494.55	0.439	-437.17	6.04	9.11	1.62	141.56	0.551	-0.103	0.00	-1.82	0.259	3.80
127.10	291.18	2.66	0.0684	0.394	-451.47	0.447	-413.74	5.06	8.76	1.58	132.57	0.538	-0.0991	0.00	-1.99	0.294	6.91
135.20	422.16	2.44	0.0583	0.416	-404.59	0.454	-393.19	4.26	8.34	1.54	123.71	0.521	-0.0959	0.00	-2.17	0.0667	10.01
143.30	553.14	2.23	0.0489	0.443	-355.52	0.461	-375.29	3.59	7.85	1.50	114.93	0.503	-0.0935	0.00	-2.36	0.130	13.12
151.40	684.12	2.02	0.0402	0.477	-305.65	0.467	-359.81	3.04	7.29	1.46	106.17	0.481	-0.0917	0.00	-2.56	0.203	16.22
159.50	815.10	1.82	0.0322	0.517	-256.19	0.472	-346.59	2.57	6.64	1.42	97.40	0.459	-0.0903	0.00	-2.78	0.278	19.33
167.60	946.08	1.64	0.0247	0.565	-208.10	0.476	-335.48	2.19	5.89	1.37	88.56	0.434	-0.0893	0.00	-3.02	0.352	22.44
175.70	1077.06	1.46	0.0179	0.622	-162.12	0.479	-326.36	1.87	5.02	1.33	79.59	0.409	-0.0886	0.00	-3.28	0.424	25.54
183.80	1208.04	1.30	0.0117	0.689	-118.80	0.481	-319.18	1.59	4.02	1.29	70.45	0.383	-0.0881	0.00	-3.55	0.330	28.65
191.90	1339.02	1.15	0.00590	0.768	-78.49	0.482	-313.83	1.36	2.87	1.25	61.08	0.357	-0.0877	0.00	-3.85	0.209	31.76
200.00	1470.00	1.01	< 0.001	0.862	-41.41	0.482	-310.27	1.17	1.55	1.20	51.39	0.331	-0.0875	0.00	-4.17	0.210	34.86
		xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L		



Saturation Ratios (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (psia) is the partial pressure of CO₂ in the gas phase. mg/L scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.





Mule 23-11 Fed Com #822H

Devon Energy
API #30-015-49388
Eddy County, NM
nAPP2305244923
Water Source Location Map

Legend

-  Cotton Draw 22 Water Treatment Facility
-  Point of Release - Mule 23-11 Fed Com 822H

Point of Release - Mule 23-11 Fed Com 822H 

 Cotton Draw 22 Water Treatment Facility

Google Earth








3000 ft

Mule 23-11 Federal Com #822H

Devon Energy
API #30-015-49388
Eddy County, NM
nAPP2305244923
Proposed Sampling Map

Legend

-  32.1204928, -103.74948743 (POR)
-  Background samples
-  Horizontal delineation samples
-  Release area - 3,629 sqft
-  Vertical delineation samples







Google Earth

Mule 23-11 Federal Com #822H

Devon Energy
API #30-015-49388
Eddy County, NM
nAPP2305244923
Confirmation Sample Map

Legend

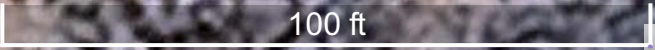
-  2' Excavation - 400 sqft - 30 cuysd
-  4' Excavation - 400 sqft - 59 cuysd
-  Composite base samples
-  Composite wall samples



32.1204928, -103.74948743 (POR)



Google Earth





Appendix A

Water Surveys

Water-Related Maps



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04925 POD1		CUB	ED	SE	NW	NE	23	25S	31E	618293.2	3554489.9	●	325	55		
C 04894 POD1		CUB	ED	NE	NW	NW	14	25S	31E	617587.0	3556319.4	●	1882	55		
C 04912 POD1		CUB	ED	NE	NW	NW	14	25S	31E	617588.0	3556320.4	●	1883	55		
C 04619 POD1		CUB	ED	NE	NW	NE	27	25S	31E	616749.8	3552958.1	●	1945	55		
C 04792 POD1		CUB	ED	NW	SW	SE	12	25S	31E	619687.5	3556651.9	●	2773	55		

Average Depth to Water: **0 feet**

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

Record Count: 5

Basin/County Search:

County: ED

UTM Filters (in meters):

Easting: 617967.84

Northing: 3554475.50

Radius: 03000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

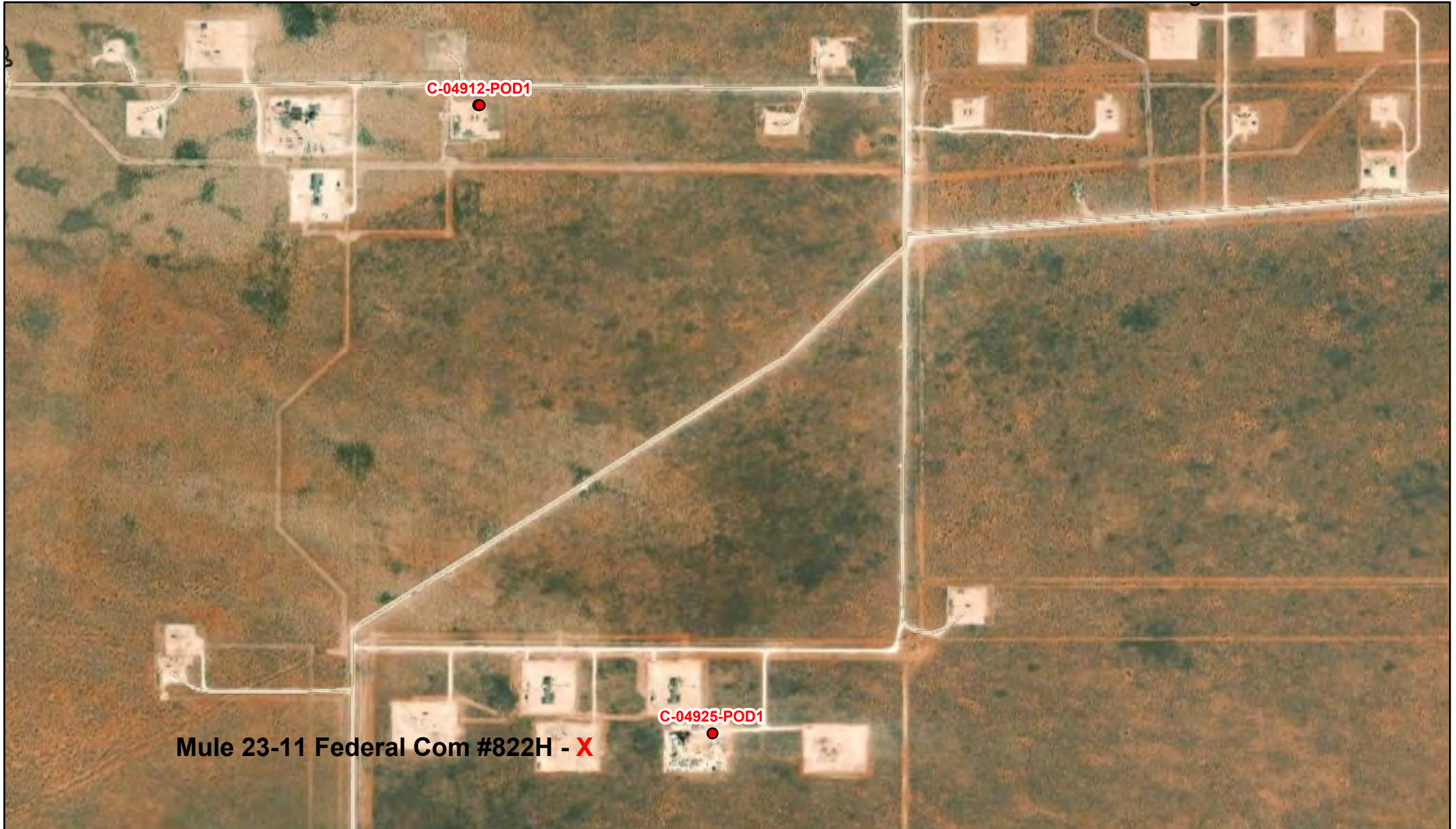
I. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). C-04925	
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE ZIP NM 88220
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 07	SECONDS 14.1	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LATITUDE		N	* DATUM REQUIRED: WGS 84	
	LONGITUDE	103	44	45.7	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S23 T25s R31e						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 2-6-25	DRILLING ENDED 2-6-25	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) <small>Centralizer info below</small>				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 2-10-25		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY:			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	55'	5'	No casing left in hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.				PAGE 1 OF 2

OSE POD Location Map



3/10/2025, 12:47:34 PM

GIS WATERS PODs

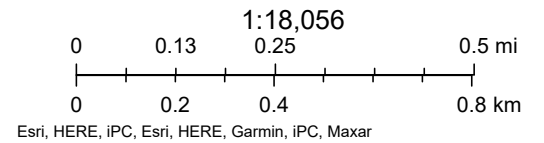
● Pending

● Plugged

□ OSE District Boundary

Water Right Regulations

□ Artesian Planning Area





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Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 320643103465002

Minimum number of levels = 1

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

USGS 320643103465002 25S.31E.21.413314A

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°06'46.0", Longitude 103°46'56.3" NAD83

Land-surface elevation 3,374.00 feet above NGVD29

The depth of the well is 400 feet below land surface.

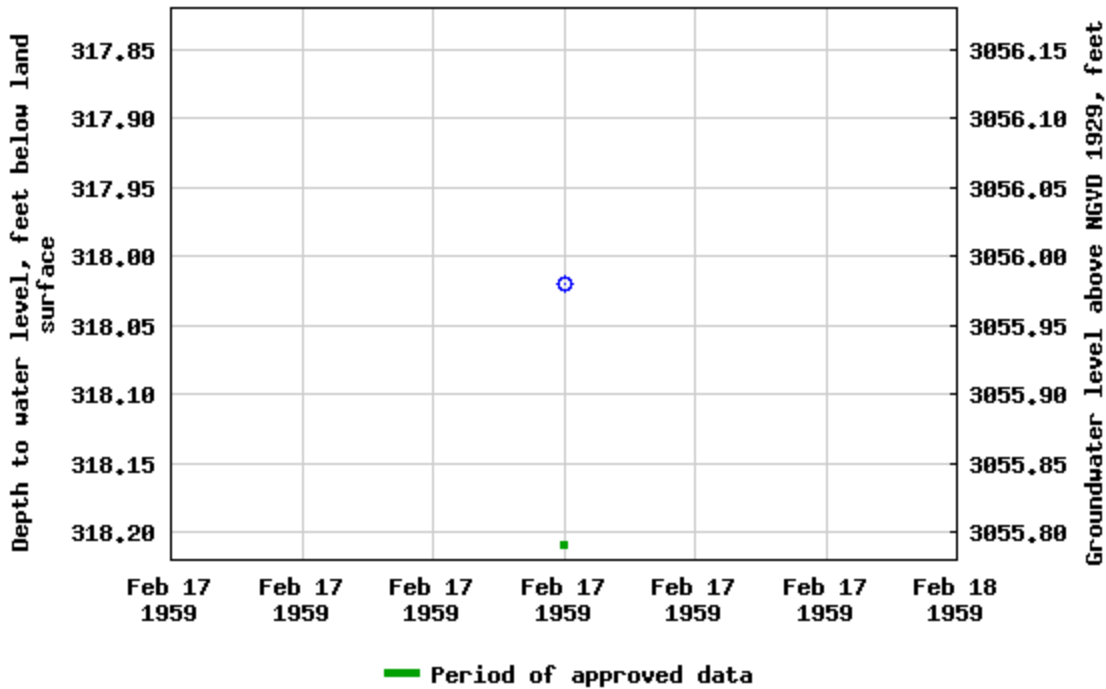
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

USGS 320643103465002 25S.31E.21.413314A



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

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

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2024-07-31 13:04:58 EDT

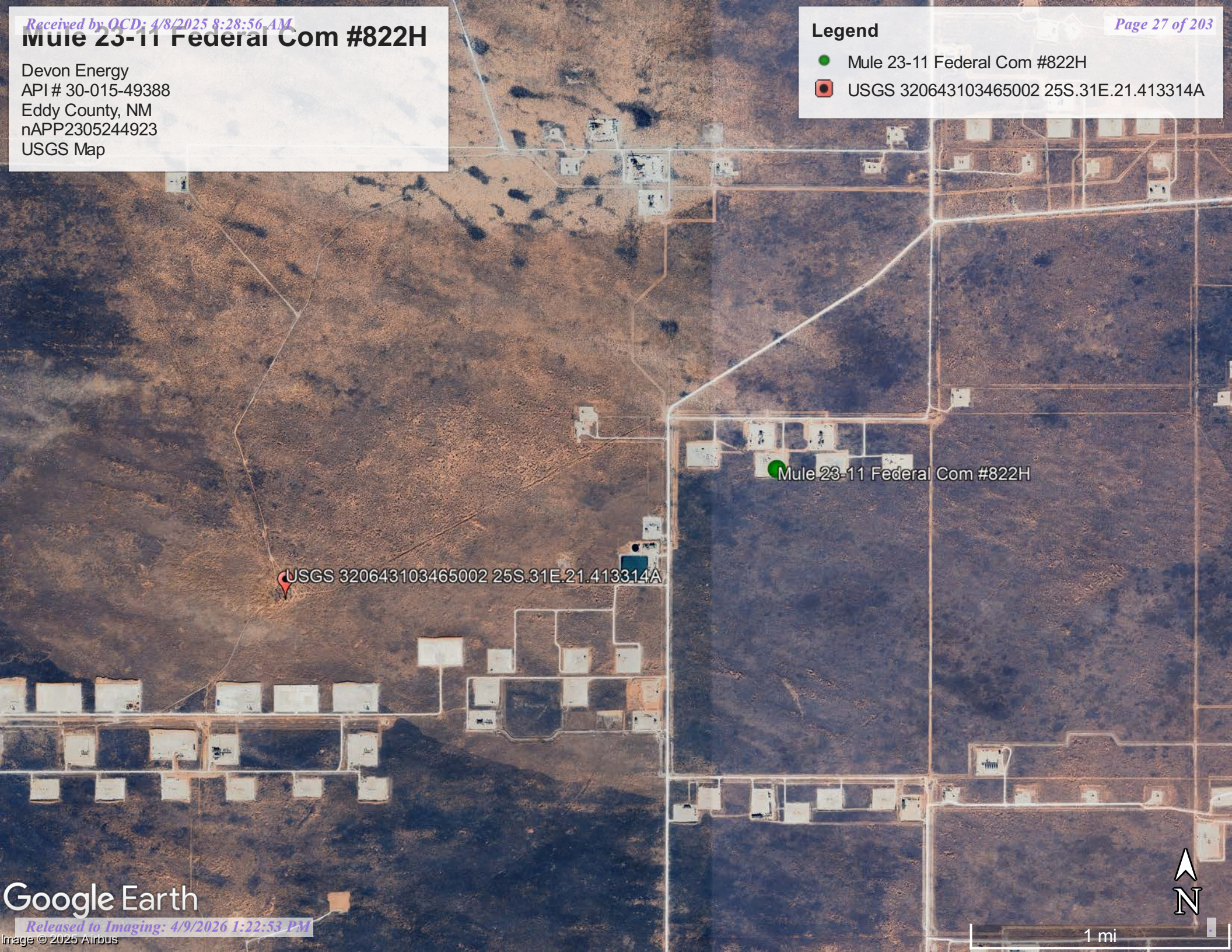
0.52 0.45 nadww01

Mule 23-11 Federal Com #822H

Devon Energy
API # 30-015-49388
Eddy County, NM
nAPP2305244923
USGS Map

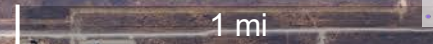
Legend

- Mule 23-11 Federal Com #822H
- USGS 320643103465002 25S.31E.21.413314A



Mule 23-11 Federal Com #822H



USGS 320643103465002 25S.31E.21.413314A





Mule 23-11 Fed Com #822H

Devon Energy
API #30-015-49388
Eddy County, NM
nAPP2305244923
Surface Water Map

Legend

-  13.2 Miles
-  Pecos River

 Pecos River

Point of Release - Mule 23-11 Fed Com 822H 



6 mi

Google Earth







Wetlands Map



May 26, 2023

Wetlands

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

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

National Flood Hazard Layer FIRMette



103°45'21"W 32°7'28"N



Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/10/2025 at 6:17 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



1:6,000

103°44'43"W 32°6'58"N



Appendix B

Soil Survey

Soil Map

Geologic Unit Map

Map Unit Description: Tonuco loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

TF—Tonuco loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w61
Elevation: 3,000 to 4,100 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 200 to 217 days
Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tonuco

Setting

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

Typical profile

H1 - 0 to 5 inches: loamy fine sand
H2 - 5 to 15 inches: loamy fine sand
H3 - 15 to 19 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 6 to 20 inches to petrocalcic
Drainage class: Excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Map Unit Description: Tonuco loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

Minor Components

Tonuco

Percent of map unit: 1 percent

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Dune land

Percent of map unit: 1 percent

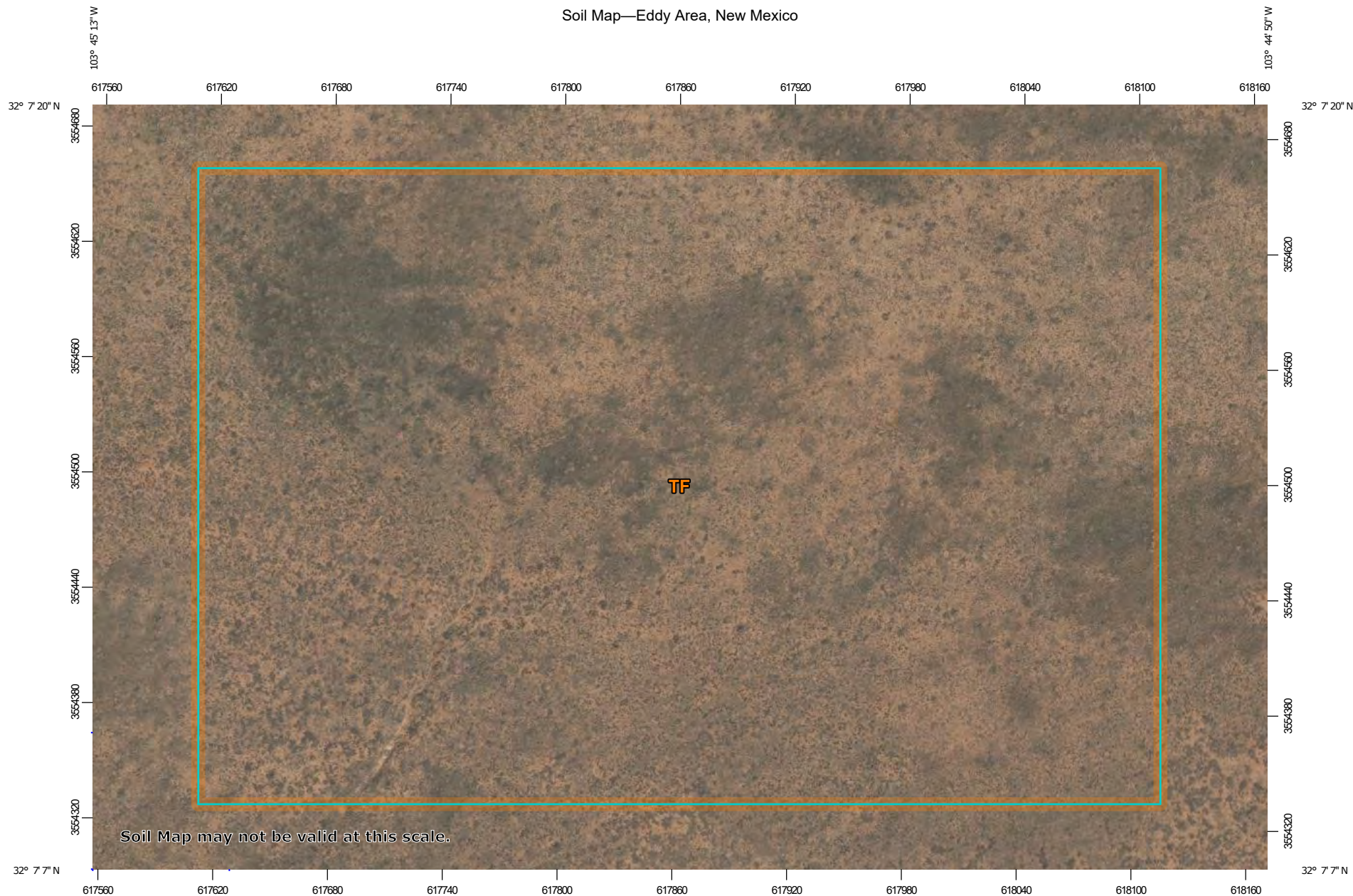
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

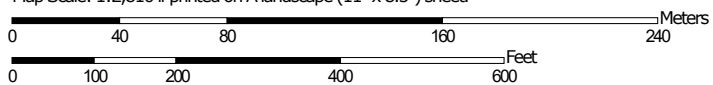
Survey Area Data: Version 20, Sep 3, 2024

Soil Map—Eddy Area, New Mexico



Soil Map may not be valid at this scale.

Map Scale: 1:2,810 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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 20, Sep 3, 2024

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

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

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

Soil Map—Eddy Area, New Mexico



Map Unit Legend

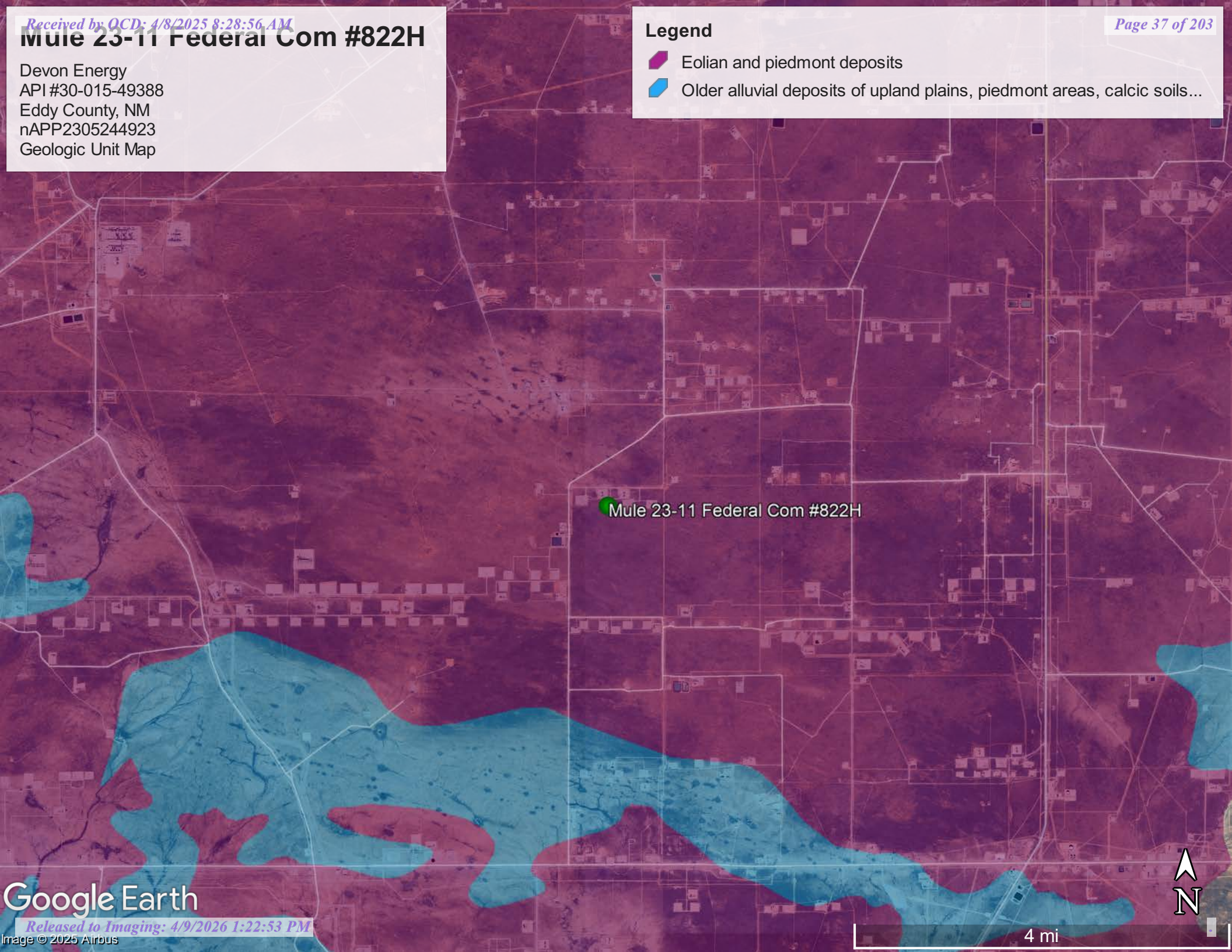
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	41.3	100.0%
Totals for Area of Interest		41.3	100.0%

Mule 23-11 Federal Com #822H

Devon Energy
API #30-015-49388
Eddy County, NM
nAPP2305244923
Geologic Unit Map

Legend

-  Eolian and piedmont deposits
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils...



Mule 23-11 Federal Com #822H





Appendix C

448-Hour Notifications

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 357062

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 357062
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2305244923
Incident Name	NAPP2305244923 MULE 23-11 FED COM 822H @ 30-015-49388
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-49388] MULE 23 11 FEDERAL COM #822H

Location of Release Source	
Site Name	MULE 23-11 FED COM 822H
Date Release Discovered	01/15/2023
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	1,300
What is the estimated number of samples that will be gathered	29
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/08/2024
Time sampling will commence	09:00 AM
 <i>Warning: Notification can not be less than two business days prior to conducting final sampling.</i>	
Please provide any information necessary for observers to contact samplers	Marisa Loya (575) 416-0639
Please provide any information necessary for navigation to sampling site	C-23-25S-31E Lat/Long: 32.119956, -103.750099 From the intersection of C1 and Pipeline Road in Eddy county, travel 4.9 miles west on Pipeline Rd, turn north on lease road for 3.8 miles, release area is along the road on the east side.

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 357062

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 357062
	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.	6/24/2024

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 434892

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434892
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2305244923
Incident Name	NAPP2305244923 MULE 23-11 FED COM 822H @ 30-015-49388
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-49388] MULE 23 11 FEDERAL COM #822H

Location of Release Source	
Site Name	MULE 23-11 FED COM 822H
Date Release Discovered	01/15/2023
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	3,629
What is the estimated number of samples that will be gathered	82
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/27/2025
Time sampling will commence	08:00 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	Sampling Site - 32.1204928, -103.74948743

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 434892

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434892
	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.	2/25/2025

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 442894

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 442894
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2305244923
Incident Name	NAPP2305244923 MULE 23-11 FED COM 822H @ 30-015-49388
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-49388] MULE 23 11 FEDERAL COM #822H

Location of Release Source	
Site Name	MULE 23-11 FED COM 822H
Date Release Discovered	01/15/2023
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	800
What is the estimated number of samples that will be gathered	9
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/19/2025
Time sampling will commence	09:30 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	32.1204928, -103.74948743

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 442894

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 442894
	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.	3/17/2025



Appendix D

Photographic Documentation

Assessment 2023



West side looking east



South side looking north



Further south looking north



Southeast side looking northwest



North side looking south



Northwest side looking southeast

Assessment 2024



+32.119797,-103.757044
Devon
Mule 23-11 Fed Com 822H
Assessment

North side looking south



+32.119674,-103.757036
Eddy County
Devon
Mule 23-11 Fed Com 822H
Assessment

South side looking north



+32.119851,-103.757140
Eddy County
Devon
Mule 23-11 Fed Com 822H
Assessment

West side looking east



+32.119851,-103.757140
Eddy County
Devon
Mule 23-11 Fed Com 822H
Assessment

West side looking southeast

2023



2025



Mule 23-11 Fed Com #822H

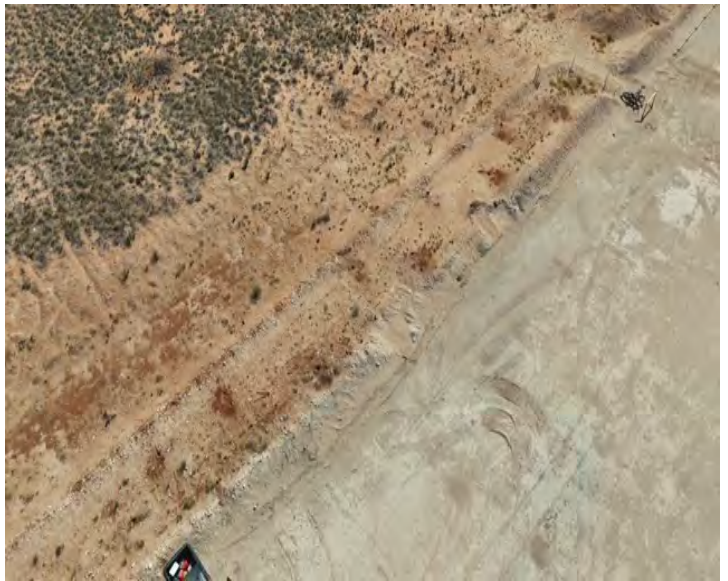
Remediation 2025 (Corrected Release Area)



Mule 23-11 Fed Com #822H



Mule 23-11 Fed Com #822H



Mule 23-11 Fed Com #822H



Mule 23-11 Fed Com #822H





Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Mule 23-11 Fed Com 822H

Work Order: E305176

Job Number: 01058-0007

Received: 5/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/1/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/1/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Mule 23-11 Fed Com 822H
Workorder: E305176
Date Received: 5/26/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/26/2023 8:30:00AM, under the Project Name: Mule 23-11 Fed Com 822H.

The analytical test results summarized in this report with the Project Name: Mule 23-11 Fed Com 822H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 06/01/23 13:00
---	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E305176-01A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S1 - 2'	E305176-02A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S1 - 3'	E305176-03A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S1 - 4'	E305176-04A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S3 - 1'	E305176-05A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S3 - 2'	E305176-06A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S3 - 3'	E305176-07A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S3 - 4'	E305176-08A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S4 - 1'	E305176-09A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S4 - 2'	E305176-10A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S4 - 3'	E305176-11A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S4 - 4'	E305176-12A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S5 - 1'	E305176-13A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S5 - 2'	E305176-14A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S5 - 3'	E305176-15A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S5 - 4'	E305176-16A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S7 - 1'	E305176-17A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S7 - 2'	E305176-18A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S7 - 3'	E305176-19A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S7 - 4'	E305176-20A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
---	---	--

S1 - 1'

E305176-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.7 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
---	---	--

S1 - 2'

E305176-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.0 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S1 - 3'

E305176-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.5 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.4 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S1 - 4'

E305176-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.6 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		99.7 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S3 - 1'

E305176-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S3 - 2'

E305176-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S3 - 3'

E305176-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.9 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S3 - 4'

E305176-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S4 - 1'

E305176-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		116 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S4 - 2'

E305176-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S4 - 3'

E305176-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S4 - 4'

E305176-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		113 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S5 - 1'

E305176-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S5 - 2'

E305176-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.0 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S5 - 3'

E305176-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.9 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.9 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		113 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S5 - 4'

E305176-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S7 - 1'

E305176-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S7 - 2'

E305176-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S7 - 3'

E305176-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		110 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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S7 - 4'

E305176-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.5 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2321089
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2322011
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322004
Chloride	ND	20.0	1	05/30/23	06/01/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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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 (2321089-BLK1)

Prepared: 05/26/23 Analyzed: 05/26/23

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	7.52		8.00		94.1	70-130			

LCS (2321089-BS1)

Prepared: 05/26/23 Analyzed: 05/26/23

Benzene	4.64	0.0250	5.00		92.8	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.7	70-130			
Toluene	4.98	0.0250	5.00		99.6	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

Matrix Spike (2321089-MS1)

Source: E305176-01

Prepared: 05/26/23 Analyzed: 05/27/23

Benzene	4.26	0.0250	5.00	ND	85.1	54-133			
Ethylbenzene	4.53	0.0250	5.00	ND	90.6	61-133			
Toluene	4.57	0.0250	5.00	ND	91.5	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	63-131			
p,m-Xylene	9.21	0.0500	10.0	ND	92.1	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2321089-MSD1)

Source: E305176-01

Prepared: 05/26/23 Analyzed: 05/27/23

Benzene	4.46	0.0250	5.00	ND	89.3	54-133	4.76	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133	5.03	20	
Toluene	4.81	0.0250	5.00	ND	96.1	61-130	4.94	20	
o-Xylene	4.90	0.0250	5.00	ND	97.9	63-131	4.56	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	5.06	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131	4.89	20	
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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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 (2321089-BLK1)

Prepared: 05/26/23 Analyzed: 05/26/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			

LCS (2321089-BS2)

Prepared: 05/26/23 Analyzed: 05/26/23

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

Matrix Spike (2321089-MS2)

Source: E305176-01

Prepared: 05/26/23 Analyzed: 05/27/23

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike Dup (2321089-MSD2)

Source: E305176-01

Prepared: 05/26/23 Analyzed: 05/27/23

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130	1.48	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: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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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 (2322011-BLK1)

Prepared: 05/30/23 Analyzed: 05/30/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.6		50.0		123	50-200			

LCS (2322011-BS1)

Prepared: 05/30/23 Analyzed: 05/30/23

Diesel Range Organics (C10-C28)	271	25.0	250		109	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike (2322011-MS1)

Source: E305176-04

Prepared: 05/30/23 Analyzed: 05/30/23

Diesel Range Organics (C10-C28)	276	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	53.1		50.0		106	50-200			

Matrix Spike Dup (2322011-MSD1)

Source: E305176-04

Prepared: 05/30/23 Analyzed: 05/30/23

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	4.90	20	
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 1:00:55PM
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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
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Blank (2322004-BLK1)

Prepared: 05/30/23 Analyzed: 05/31/23

Chloride	ND	20.0							
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LCS (2322004-BS1)

Prepared: 05/30/23 Analyzed: 05/31/23

Chloride	263	20.0	250		105	90-110			
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Matrix Spike (2322004-MS1)

Source: E305176-01

Prepared: 05/30/23 Analyzed: 05/31/23

Chloride	263	20.0	250	ND	105	80-120			
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Matrix Spike Dup (2322004-MSD1)

Source: E305176-01

Prepared: 05/30/23 Analyzed: 05/31/23

Chloride	261	20.0	250	ND	104	80-120	0.610	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:	Mule 23-11 Fed Com 822H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/01/23 13:00

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services Project: <u>Mule 23-11 Fed. Con 8224</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:	Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>310</u>	Lab Use Only Lab WO# <u>E305170</u> Job Number <u>01058-0057</u>	TAT 1D <input 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"/>
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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
10:00	5/24/23	S	1	S1-1'	1							X		
10:05				S1-2'	2									
10:40				S1-3'	3									
10:15				S1-4'	4									
10:20				S3-1'	5									
10:25				S3-2'	6									
10:30				S3-3'	7									
10:35				S3-4'	8									
10:40				S4-1'	9									
10:45				S4-2'	10									

Additional Instructions: WO# XX-146919.01-DRL

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 Abana</u> Date <u>5/25/23</u> Time <u>8:00</u>	Received by: (Signature) <u>Michelle Conz</u> Date <u>5-25-23</u> Time <u>17:00</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Conz</u> Date <u>5-25-23</u> Time <u>19:15</u>	Received by: (Signature) <u>Andrew Musso</u> Date <u>5-25-23</u> Time <u>19:30</u>	
Relinquished by: (Signature) <u>Andrew Musso</u> Date <u>5-26-23</u> Time <u>01:00</u>	Received by: (Signature) <u>Carth Mears</u> Date <u>5/26/23</u> Time <u>8:30</u>	

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

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



Client: Pima Environmental Services	Bill To	Lab Use Only		TAT			EPA Program		
Project: <u>MULE 23-11 Fed. Com 822H</u>	Attention: <u>Revon</u>	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum	Address:	<u>E305170</u>	<u>01058-0007</u>				<u>Y</u>		
Address: 5614 N. Lovington Hwy.	City, State, Zip	Analysis and Method							RCRA
City, State, Zip Hobbs, NM, 88240	Phone:	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
Phone: 580-748-1613	Email:	State							
Email: tom@pimaoil.com	Pima Project # <u>310</u>	NM	CO	UT	AZ	TX			
Report due by:		<u>X</u>					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
10:50	5/24/23	S	1	S4-3'	11							X		
10:55				S4-4'	12									
11:00				S5-1'	13									
11:05				S5-2'	14									
11:10				S5-3'	15									
11:15				S5-4'	16									
11:20				S7-1'	17									
11:35				S7-2'	18									
11:30				S7-3'	19									
11:35				S7-4'	20									

Additional Instructions: WO# X X-146919.01-DRL

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: AF

Relinquished by: (Signature) <u>Karime Adams</u>	Date <u>5/25/23</u>	Time <u>5:00</u>	Received by: (Signature) <u>Michelle Cangel</u>	Date <u>5-25-23</u>	Time <u>1700</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 Cangel</u>	Date <u>5-25-23</u>	Time <u>1915</u>	Received by: (Signature) <u>Andrew Musso</u>	Date <u>5-25-23</u>	Time <u>1930</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date <u>5-26-23</u>	Time <u>0100</u>	Received by: (Signature) <u>Carth Man</u>	Date <u>5/26/23</u>	Time <u>8:30</u>	

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

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



Envirotech Analytical Laboratory

Printed: 5/26/2023 12:49:45PM

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:	05/26/23 08:30	Work Order ID:	E305176
Phone:	(575) 631-6977	Date Logged In:	05/26/23 09:42	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/02/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Comments/Resolution

Project Mule 23-11 Fed Com 822H has been separated into 2 reports due to sample volume. Workorders are as follows: E305176 & E305177.

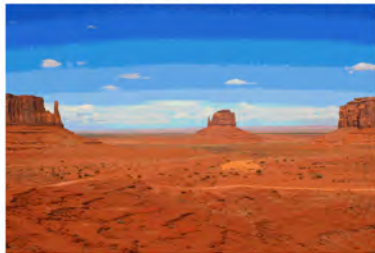
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Mule 23-11 Fed Com 822H

Work Order: E305177

Job Number: 01058-0007

Received: 5/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/1/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/1/23



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Mule 23-11 Fed Com 822H
Workorder: E305177
Date Received: 5/26/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/26/2023 8:30:00AM, under the Project Name: Mule 23-11 Fed Com 822H.

The analytical test results summarized in this report with the Project Name: Mule 23-11 Fed Com 822H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Project Name: Mule 23-11 Fed Com 822H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
06/01/23 14:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S8 - 1'	E305177-01A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S8 - 2'	E305177-02A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S8 - 3'	E305177-03A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S8 - 4'	E305177-04A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S9 - 1'	E305177-05A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S9 - 2'	E305177-06A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S9 - 3'	E305177-07A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S9 - 4'	E305177-08A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S12 - 1'	E305177-09A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S12 - 2'	E305177-10A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S12 - 3'	E305177-11A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
S12 - 4'	E305177-12A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW1	E305177-13A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW2	E305177-14A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW3	E305177-15A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW4	E305177-16A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW5	E305177-17A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW6	E305177-18A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW7	E305177-19A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW8	E305177-20A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW9	E305177-21A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.
SW10	E305177-22A	Soil	05/24/23	05/26/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S8 - 1'

E305177-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.8 %	70-130		05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>						
	92.8 %	50-200		05/30/23	05/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S8 - 2'

E305177-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		92.0 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S8 - 3'

E305177-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		99.8 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S8 - 4'

E305177-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S9 - 1'

E305177-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.9 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		97.2 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S9 - 2'

E305177-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S9 - 3'

E305177-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S9 - 4'

E305177-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S12 - 1'

E305177-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		98.5 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S12 - 2'

E305177-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.8 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		96.8 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S12 - 3'

E305177-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		98.4 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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S12 - 4'

E305177-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/30/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	05/30/23	05/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW1

E305177-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.1 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		99.0 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	05/31/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW2

E305177-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		99.7 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW3

E305177-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.0 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		99.7 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW4

E305177-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.6 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		83.7 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW5

E305177-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		97.5 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW6

E305177-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.6 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		88.7 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW7

E305177-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.6 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		97.6 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW8

E305177-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Benzene	ND	0.0250	1	05/26/23	05/30/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/30/23	
Toluene	ND	0.0250	1	05/26/23	05/30/23	
o-Xylene	ND	0.0250	1	05/26/23	05/30/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/30/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/30/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/30/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	05/26/23	05/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322014
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	05/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	05/31/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	05/30/23	05/31/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2322005
Chloride	ND	20.0	1	05/30/23	06/01/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW9

E305177-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321085
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321085
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322016
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	06/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	06/01/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	05/30/23	06/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322003
Chloride	ND	20.0	1	05/30/23	05/30/23	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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SW10
E305177-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2321085
Benzene	ND	0.0250	1	05/26/23	05/27/23	
Ethylbenzene	ND	0.0250	1	05/26/23	05/27/23	
Toluene	ND	0.0250	1	05/26/23	05/27/23	
o-Xylene	ND	0.0250	1	05/26/23	05/27/23	
p,m-Xylene	ND	0.0500	1	05/26/23	05/27/23	
Total Xylenes	ND	0.0250	1	05/26/23	05/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2321085
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/23	05/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %	70-130	05/26/23	05/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322016
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/23	06/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/23	06/01/23	
<i>Surrogate: n-Nonane</i>		98.0 %	50-200	05/30/23	06/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA		Batch: 2322003
Chloride	ND	20.0	1	05/30/23	05/30/23	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321085-BLK1)

Prepared: 05/26/23 Analyzed: 05/26/23

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	7.95		8.00		99.4	70-130			

LCS (2321085-BS1)

Prepared: 05/26/23 Analyzed: 05/26/23

Benzene	4.36	0.0250	5.00		87.2	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.7	70-130			
Toluene	4.69	0.0250	5.00		93.8	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
p,m-Xylene	9.39	0.0500	10.0		93.9	70-130			
Total Xylenes	14.2	0.0250	15.0		94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike (2321085-MS1)

Source: E305162-02

Prepared: 05/26/23 Analyzed: 05/26/23

Benzene	4.44	0.0250	5.00	ND	88.7	54-133			
Ethylbenzene	4.61	0.0250	5.00	ND	92.2	61-133			
Toluene	4.77	0.0250	5.00	ND	95.4	61-130			
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131			
p,m-Xylene	9.53	0.0500	10.0	ND	95.3	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

Matrix Spike Dup (2321085-MSD1)

Source: E305162-02

Prepared: 05/26/23 Analyzed: 05/26/23

Benzene	3.98	0.0250	5.00	ND	79.6	54-133	10.9	20	
Ethylbenzene	4.14	0.0250	5.00	ND	82.7	61-133	10.9	20	
Toluene	4.28	0.0250	5.00	ND	85.6	61-130	10.8	20	
o-Xylene	4.41	0.0250	5.00	ND	88.1	63-131	10.0	20	
p,m-Xylene	8.58	0.0500	10.0	ND	85.8	63-131	10.6	20	
Total Xylenes	13.0	0.0250	15.0	ND	86.5	63-131	10.4	20	
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2321092-BLK1)

Prepared: 05/26/23 Analyzed: 05/30/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

LCS (2321092-BS1)

Prepared: 05/26/23 Analyzed: 05/30/23

Benzene	4.14	0.0250	5.00		82.9	70-130			
Ethylbenzene	4.43	0.0250	5.00		88.7	70-130			
Toluene	4.54	0.0250	5.00		90.8	70-130			
o-Xylene	4.70	0.0250	5.00		94.1	70-130			
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130			
Total Xylenes	13.9	0.0250	15.0		92.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike (2321092-MS1)

Source: E305177-02

Prepared: 05/26/23 Analyzed: 05/30/23

Benzene	4.32	0.0250	5.00	ND	86.4	54-133			
Ethylbenzene	4.62	0.0250	5.00	ND	92.4	61-133			
Toluene	4.74	0.0250	5.00	ND	94.7	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131			
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

Matrix Spike Dup (2321092-MSD1)

Source: E305177-02

Prepared: 05/26/23 Analyzed: 05/30/23

Benzene	4.00	0.0250	5.00	ND	79.9	54-133	7.73	20	
Ethylbenzene	4.27	0.0250	5.00	ND	85.5	61-133	7.75	20	
Toluene	4.38	0.0250	5.00	ND	87.5	61-130	7.87	20	
o-Xylene	4.54	0.0250	5.00	ND	90.9	63-131	7.41	20	
p,m-Xylene	8.86	0.0500	10.0	ND	88.6	63-131	7.68	20	
Total Xylenes	13.4	0.0250	15.0	ND	89.4	63-131	7.59	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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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 (2321085-BLK1)

Prepared: 05/26/23 Analyzed: 05/26/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.2	70-130			

LCS (2321085-BS2)

Prepared: 05/26/23 Analyzed: 05/26/23

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			

Matrix Spike (2321085-MS2)

Source: E305162-02

Prepared: 05/26/23 Analyzed: 05/26/23

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130			

Matrix Spike Dup (2321085-MSD2)

Source: E305162-02

Prepared: 05/26/23 Analyzed: 05/26/23

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	4.96	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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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 (2321092-BLK1)

Prepared: 05/26/23 Analyzed: 05/30/23

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

LCS (2321092-BS2)

Prepared: 05/26/23 Analyzed: 05/30/23

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike (2321092-MS2)

Source: E305177-02

Prepared: 05/26/23 Analyzed: 05/30/23

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			

Matrix Spike Dup (2321092-MSD2)

Source: E305177-02

Prepared: 05/26/23 Analyzed: 05/30/23

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130	0.0707	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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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 (2322014-BLK1)

Prepared: 05/30/23 Analyzed: 05/30/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.8		50.0		91.5	50-200			

LCS (2322014-BS1)

Prepared: 05/30/23 Analyzed: 05/30/23

Diesel Range Organics (C10-C28)	238	25.0	250		95.2	38-132			
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			

Matrix Spike (2322014-MS1)

Source: E305177-12

Prepared: 05/30/23 Analyzed: 05/30/23

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.4	38-132			
Surrogate: n-Nonane	44.7		50.0		89.3	50-200			

Matrix Spike Dup (2322014-MSD1)

Source: E305177-12

Prepared: 05/30/23 Analyzed: 05/30/23

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.4	38-132	1.00	20	
Surrogate: n-Nonane	47.3		50.0		94.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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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 (2322016-BLK1)

Prepared: 05/30/23 Analyzed: 05/31/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.5		50.0		101	50-200			

LCS (2322016-BS1)

Prepared: 05/30/23 Analyzed: 05/31/23

Diesel Range Organics (C10-C28)	242	25.0	250		97.0	38-132			
Surrogate: n-Nonane	43.8		50.0		87.7	50-200			

Matrix Spike (2322016-MS1)

Source: E305190-21

Prepared: 05/30/23 Analyzed: 05/31/23

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	44.8		50.0		89.7	50-200			

Matrix Spike Dup (2322016-MSD1)

Source: E305190-21

Prepared: 05/30/23 Analyzed: 05/31/23

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.4	38-132	3.54	20	
Surrogate: n-Nonane	45.1		50.0		90.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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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
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Blank (2322003-BLK1)

Prepared: 05/30/23 Analyzed: 05/30/23

Chloride ND 20.0

LCS (2322003-BS1)

Prepared: 05/30/23 Analyzed: 05/30/23

Chloride 249 20.0 250 99.5 90-110

Matrix Spike (2322003-MS1)

Source: E305160-01

Prepared: 05/30/23 Analyzed: 05/30/23

Chloride 314 20.0 250 56.0 103 80-120

Matrix Spike Dup (2322003-MSD1)

Source: E305160-01

Prepared: 05/30/23 Analyzed: 05/30/23

Chloride 311 20.0 250 56.0 102 80-120 0.719 20



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 6/1/2023 2:54:47PM
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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
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Blank (2322005-BLK1)

Prepared: 05/30/23 Analyzed: 05/31/23

Chloride ND 20.0

LCS (2322005-BS1)

Prepared: 05/30/23 Analyzed: 06/01/23

Chloride 248 20.0 250 99.1 90-110

Matrix Spike (2322005-MS1)

Source: E305177-01

Prepared: 05/30/23 Analyzed: 06/01/23

Chloride 249 20.0 250 ND 99.6 80-120

Matrix Spike Dup (2322005-MSD1)

Source: E305177-01

Prepared: 05/30/23 Analyzed: 06/01/23

Chloride 250 20.0 250 ND 99.9 80-120 0.294 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:	Mule 23-11 Fed Com 822H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/01/23 14:54

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: Pima Environmental Services		Bill To		Lab Use Only				TAT			EPA Program		
Project: <u>Mule 23-11 Fed. Com 8224</u>		Attention: <u>Devon</u>		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		E <u>305177</u>		01058-0007					*		
Address: 5614 N. Lovington Hwy.		City, State, Zip		Analysis and Method									RCRA
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	
Phone: 580-748-1613		Email:		State									
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>310</u>		NM	CO	UT	AZ	TX					
Report due by:				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
11:40	5/24/23	S		S8-1'	1							X		
11:45				S8-2'	2									
11:50				S8-3'	3									
11:55				S8-4'	4									
12:00 ^{PM}				S9-1'	5									
12:05				S9-2'	6									
12:10				S9-3'	7									
12:15				S9-4'	8									
12:20				S12-1'	9									
12:25				S12-2'	10									

Additional Instructions: WO# XX-146919.01-DRL

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: AP

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

Relinquished by: (Signature) <u>Karime Adams</u>	Date <u>5/25/23</u>	Time <u>800</u>	Received by: (Signature) <u>Michelle Campbell</u>	Date <u>5-25-23</u>	Time <u>1700</u>	Lab Use Only Received on ice: <u>(Y) / N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Campbell</u>	Date <u>5-25-23</u>	Time <u>1915</u>	Received by: (Signature) <u>Andrew Musso</u>	Date <u>5-25-23</u>	Time <u>1930</u>	
Relinquished by: (Signature) <u>Andrew Musso</u>	Date <u>5-26-23</u>	Time <u>0100</u>	Received by: (Signature) <u>Conte Man</u>	Date <u>5/26/23</u>	Time <u>8:30</u>	

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

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



Client: Pima Environmental Services Project: <u>Mail 23-11 Fed. Com 822H</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by:		Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>310</u>		Lab Use Only Lab WO# <u>E 305177</u> Job Number <u>01058-8007</u> Analysis and Method		TAT 1D 2D 3D Standard <u>X</u>			EPA Program CWA SDWA RCRA	
						State NM CO UT AZ TX <u>X</u>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
12:30	5/24/23	S		S12-3'	11							X		
12:35				S12-4'	12									
12:40				SW1	13									
12:45				SW2	14									
12:50				SW3	15									
1:00				SW4	16									
1:05				SW5	17									
1:10				SW6	18									
1:15				SW7	19									
1:20				SW8	20									

Additional Instructions: WO# XX-14 6919. 01- DEL

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: AF

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

Relinquished by: (Signature) <u>Karine Adams</u>	Date <u>5/25/23</u>	Time <u>5:00</u>	Received by: (Signature) <u>Michelle Cuyk</u>	Date <u>5-25-23</u>	Time <u>1700</u>	Lab Use Only Received on ice: <u>(Y) / N</u> T1 T2 T3 AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Cuyk</u>	Date <u>5-25-23</u>	Time <u>1915</u>	Received by: (Signature) <u>Andrew Messo</u>	Date <u>5-25-23</u>	Time <u>1930</u>	
Relinquished by: (Signature) <u>Andrew Messo</u>	Date <u>5-26-23</u>	Time <u>0100</u>	Received by: (Signature) <u>Auth man</u>	Date <u>5/26/23</u>	Time <u>8:30</u>	

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

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



Client: Pima Environmental Services		Bill To		Lab Use Only		TAT			EPA Program					
Project: <u>Mvle 23-11 Fed. Com 822H</u>		Attention: <u>Devon</u>		Lab WO# <u>E305177</u>		Job Number <u>01058-0007</u>			1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Analysis and Method					RCRA					
Address: 5614 N. Lovington Hwy.		City, State, Zip							State					
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:							NM	CO	UT	AZ	TX	
Phone: 580-748-1613		Email:							Remarks					
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>310</u>												
Report due by:														

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
1:25	5/24/23	S		SW9	21									
1:30 PM	↓	↓		SW10	22									
[A large diagonal line is drawn across the remaining rows of the table.]														

Additional Instructions: wo # XX - 146919.01 - DRL

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>Monty Adams</u>	Date <u>5/25/23</u>	Time <u>5:00</u>	Received by: (Signature) <u>Michelle Gayz</u>	Date <u>5-25-23</u>	Time <u>17:00</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 Gayz</u>	Date <u>5-25-23</u>	Time <u>19:15</u>	Received by: (Signature) <u>Andrew Messo</u>	Date <u>5-25-23</u>	Time <u>19:30</u>	
Relinquished by: (Signature) <u>Andrew Messo</u>	Date <u>5-26-23</u>	Time <u>01:00</u>	Received by: (Signature) <u>Carthman</u>	Date <u>5/26/23</u>	Time <u>8:30</u>	

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

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



Envirotech Analytical Laboratory

Printed: 5/26/2023 12:52:01PM

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:	05/26/23 08:30	Work Order ID:	E305177
Phone:	(575) 631-6977	Date Logged In:	05/26/23 09:46	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	06/02/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Comments/Resolution

Project Mule 23-11 Fed Com 822H has been separated into 2 reports due to sample volume. Workorders are as follows: E305176 & E305177.

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: Mule 23-11 Fed Com 822H

Work Order: E406118

Job Number: 01058-0007

Received: 6/13/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/18/24

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: 6/18/24



Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Mule 23-11 Fed Com 822H
Workorder: E406118
Date Received: 6/13/2024 7:00:09AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/13/2024 7:00:09AM, under the Project Name: Mule 23-11 Fed Com 822H.

The analytical test results summarized in this report with the Project Name: Mule 23-11 Fed Com 822H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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

Project Name: Mule 23-11 Fed Com 822H
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
06/18/24 16:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-Surface	E406118-01A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S2-Surface	E406118-02A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S2-1'	E406118-03A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S2-2'	E406118-04A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S2-3'	E406118-05A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S2-4'	E406118-06A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S3-Surface	E406118-07A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S4-Surface	E406118-08A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S5-Surface	E406118-09A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S6-Surface	E406118-10A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S6-1'	E406118-11A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S6-2'	E406118-12A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S6-3'	E406118-13A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S6-4'	E406118-14A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S7-Surface	E406118-15A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S8-Surface	E406118-16A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S9-Surface	E406118-17A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S10-Surface	E406118-18A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S10-1'	E406118-19A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S10-2'	E406118-20A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S10-3'	E406118-21A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S10-4'	E406118-22A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S11-Surface	E406118-23A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S11-1'	E406118-24A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S11-2'	E406118-25A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S11-3'	E406118-26A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S11-4'	E406118-27A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
S12-Surface	E406118-28A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.
BG1	E406118-29A	Soil	06/08/24	06/13/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S1-Surface
E406118-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.1 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.3 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S2-Surface

E406118-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.6 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.8 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
---	---	---

S2-1'

E406118-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.0 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S2-2'

E406118-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.7 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S2-3'

E406118-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S2-4'

E406118-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.0 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S3-Surface
E406118-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.4 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.6 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	74.4	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S4-Surface

E406118-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.4 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S5-Surface

E406118-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.7 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S6-Surface

E406118-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S6-1'

E406118-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S6-2'

E406118-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.4 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S6-3'

E406118-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.2 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S6-4'

E406118-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S7-Surface

E406118-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.4 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S8-Surface
E406118-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.8 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S9-Surface

E406118-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S10-Surface
E406118-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S10-1'

E406118-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S10-2'

E406118-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.5 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424078
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.9 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM		Batch: 2424082
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424090
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S10-3'

E406118-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2424084
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/16/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	06/13/24	06/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424092
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S10-4'
E406118-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		99.5 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		99.5 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2424084
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/16/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	06/13/24	06/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424092
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S11-Surface
E406118-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2424084
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/16/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/13/24	06/16/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424092
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S11-1'
E406118-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: IY		Batch: 2424077
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2424077
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		99.0 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2424084
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/16/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	06/13/24	06/16/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: WF		Batch: 2424092
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S11-2'
E406118-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2424084
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424092
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S11-3'

E406118-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2424084
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424092
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S11-4'
E406118-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2424084
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424092
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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S12-Surface
E406118-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2424084
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424092
Chloride	ND	20.0	1	06/13/24	06/14/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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BG1

E406118-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Benzene	ND	0.0250	1	06/13/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/13/24	06/14/24	
Toluene	ND	0.0250	1	06/13/24	06/14/24	
o-Xylene	ND	0.0250	1	06/13/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/13/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2424077
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/13/24	06/14/24	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	06/13/24	06/14/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	06/13/24	06/14/24	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	06/13/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2424084
Diesel Range Organics (C10-C28)	ND	25.0	1	06/13/24	06/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/13/24	06/17/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	06/13/24	06/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: WF		Batch: 2424092
Chloride	ND	20.0	1	06/13/24	06/14/24	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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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 (2424077-BLK1)

Prepared: 06/13/24 Analyzed: 06/15/24

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	0.504		0.500		101		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4		70-130		
Surrogate: Toluene-d8	0.490		0.500		97.9		70-130		

LCS (2424077-BS1)

Prepared: 06/13/24 Analyzed: 06/15/24

Benzene	2.38	0.0250	2.50		95.3		70-130		
Ethylbenzene	2.38	0.0250	2.50		95.3		70-130		
Toluene	2.28	0.0250	2.50		91.2		70-130		
o-Xylene	2.46	0.0250	2.50		98.4		70-130		
p,m-Xylene	4.92	0.0500	5.00		98.5		70-130		
Total Xylenes	7.38	0.0250	7.50		98.5		70-130		
Surrogate: Bromofluorobenzene	0.506		0.500		101		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3		70-130		
Surrogate: Toluene-d8	0.497		0.500		99.4		70-130		

Matrix Spike (2424077-MS1)

Source: E406112-02

Prepared: 06/13/24 Analyzed: 06/15/24

Benzene	2.40	0.0250	2.50	ND	96.0		48-131		
Ethylbenzene	2.45	0.0250	2.50	ND	97.8		45-135		
Toluene	2.35	0.0250	2.50	ND	93.8		48-130		
o-Xylene	2.51	0.0250	2.50	ND	101		43-135		
p,m-Xylene	5.01	0.0500	5.00	ND	100		43-135		
Total Xylenes	7.52	0.0250	7.50	ND	100		43-135		
Surrogate: Bromofluorobenzene	0.499		0.500		99.8		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8		70-130		
Surrogate: Toluene-d8	0.497		0.500		99.3		70-130		

Matrix Spike Dup (2424077-MSD1)

Source: E406112-02

Prepared: 06/13/24 Analyzed: 06/15/24

Benzene	2.48	0.0250	2.50	ND	99.1		48-131	3.18	23
Ethylbenzene	2.49	0.0250	2.50	ND	99.7		45-135	1.92	27
Toluene	2.38	0.0250	2.50	ND	95.1		48-130	1.36	24
o-Xylene	2.62	0.0250	2.50	ND	105		43-135	4.13	27
p,m-Xylene	5.20	0.0500	5.00	ND	104		43-135	3.80	27
Total Xylenes	7.82	0.0250	7.50	ND	104		43-135	3.91	27
Surrogate: Bromofluorobenzene	0.517		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4		70-130		
Surrogate: Toluene-d8	0.501		0.500		100		70-130		



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2424078-BLK1)

Prepared: 06/13/24 Analyzed: 06/14/24

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	7.49		8.00		93.7	70-130			

LCS (2424078-BS1)

Prepared: 06/13/24 Analyzed: 06/14/24

Benzene	4.82	0.0250	5.00		96.5	70-130			
Ethylbenzene	4.65	0.0250	5.00		92.9	70-130			
Toluene	4.75	0.0250	5.00		95.0	70-130			
o-Xylene	4.63	0.0250	5.00		92.7	70-130			
p,m-Xylene	9.43	0.0500	10.0		94.3	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			

Matrix Spike (2424078-MS1)

Source: E406118-03

Prepared: 06/13/24 Analyzed: 06/14/24

Benzene	4.82	0.0250	5.00	ND	96.4	54-133			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	61-133			
Toluene	4.76	0.0250	5.00	ND	95.1	61-130			
o-Xylene	4.64	0.0250	5.00	ND	92.8	63-131			
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.2	70-130			

Matrix Spike Dup (2424078-MSD1)

Source: E406118-03

Prepared: 06/13/24 Analyzed: 06/14/24

Benzene	4.79	0.0250	5.00	ND	95.8	54-133	0.712	20	
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	0.266	20	
Toluene	4.73	0.0250	5.00	ND	94.6	61-130	0.584	20	
o-Xylene	4.62	0.0250	5.00	ND	92.4	63-131	0.427	20	
p,m-Xylene	9.41	0.0500	10.0	ND	94.1	63-131	0.197	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.5	63-131	0.273	20	
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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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 (2424077-BLK1)

Prepared: 06/13/24 Analyzed: 06/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			

LCS (2424077-BS2)

Prepared: 06/13/24 Analyzed: 06/15/24

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.5	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike (2424077-MS2)

Source: E406112-02

Prepared: 06/13/24 Analyzed: 06/15/24

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.6	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike Dup (2424077-MSD2)

Source: E406112-02

Prepared: 06/13/24 Analyzed: 06/15/24

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130	3.29	20	
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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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 (2424078-BLK1)

Prepared: 06/13/24 Analyzed: 06/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

LCS (2424078-BS2)

Prepared: 06/13/24 Analyzed: 06/14/24

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

Matrix Spike (2424078-MS2)

Source: E406118-03

Prepared: 06/13/24 Analyzed: 06/14/24

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			

Matrix Spike Dup (2424078-MSD2)

Source: E406118-03

Prepared: 06/13/24 Analyzed: 06/14/24

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.1	70-130	2.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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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 (2424082-BLK1)

Prepared: 06/13/24 Analyzed: 06/16/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	50-200			

LCS (2424082-BS1)

Prepared: 06/13/24 Analyzed: 06/16/24

Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	56.3		50.0		113	50-200			

Matrix Spike (2424082-MS1)

Source: E406118-05

Prepared: 06/13/24 Analyzed: 06/17/24

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	55.7		50.0		111	50-200			

Matrix Spike Dup (2424082-MSD1)

Source: E406118-05

Prepared: 06/13/24 Analyzed: 06/17/24

Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132	0.354	20	
Surrogate: n-Nonane	57.2		50.0		114	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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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 (2424084-BLK1)

Prepared: 06/13/24 Analyzed: 06/16/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	50-200			

LCS (2424084-BS1)

Prepared: 06/13/24 Analyzed: 06/16/24

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	55.0		50.0		110	50-200			

Matrix Spike (2424084-MS1)

Source: E406112-07

Prepared: 06/13/24 Analyzed: 06/16/24

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	57.6		50.0		115	50-200			

Matrix Spike Dup (2424084-MSD1)

Source: E406112-07

Prepared: 06/13/24 Analyzed: 06/16/24

Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	0.223	20	
Surrogate: n-Nonane	55.7		50.0		111	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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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 (2424090-BLK1)

Prepared: 06/13/24 Analyzed: 06/14/24

Chloride ND 20.0

LCS (2424090-BS1)

Prepared: 06/13/24 Analyzed: 06/14/24

Chloride 247 20.0 250 98.9 90-110

Matrix Spike (2424090-MS1)

Source: E406118-03

Prepared: 06/13/24 Analyzed: 06/14/24

Chloride 251 20.0 250 ND 100 80-120

Matrix Spike Dup (2424090-MSD1)

Source: E406118-03

Prepared: 06/13/24 Analyzed: 06/14/24

Chloride 252 20.0 250 ND 101 80-120 0.691 20



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Fed Com 822H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 6/18/2024 4:48:27PM
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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 (2424092-BLK1)

Prepared: 06/13/24 Analyzed: 06/14/24

Chloride ND 20.0

LCS (2424092-BS1)

Prepared: 06/13/24 Analyzed: 06/14/24

Chloride 248 20.0 250 99.2 90-110

Matrix Spike (2424092-MS1)

Source: E406118-23

Prepared: 06/13/24 Analyzed: 06/14/24

Chloride 261 20.0 250 ND 105 80-120

Matrix Spike Dup (2424092-MSD1)

Source: E406118-23

Prepared: 06/13/24 Analyzed: 06/14/24

Chloride 261 20.0 250 ND 105 80-120 0.00459 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:	Mule 23-11 Fed Com 822H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	06/18/24 16:48

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: <u>Mule 23-11 Fed com 822H</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>1-310</u>		Lab Use Only Lab WO# <u>E406118</u> Job Number <u>01058-0007</u>		TAT 1D <input 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"/>	
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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	State					Remarks
														NM	CO	UT	AZ	TX	
9:16	6/8	S		S1-Surface	1							X							
9:21				S2-Surface	2														
9:33				S2-1'	3														
9:47				S2-2'	4														
9:53				S2-3'	5														
9:59				S2-4'	6														
10:11				S3-Surface	7														
10:17				S4-Surface	8														
10:23				S5-Surface	9														
10:31				S6-Surface	10														

Additional Instructions: B# XX-146919.01-DRL

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>Carime Adame</u>		Date <u>6/12/24</u>	Time <u>1:27</u>	Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>6-12-24</u>	Time <u>1327</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>6-12-24</u>	Time <u>1545</u>	Received by: (Signature) <u>J.M.</u>		Date <u>6-12-24</u>	Time <u>1645</u>	
Relinquished by: (Signature) <u>J.M.</u>		Date <u>6-12-24</u>	Time <u>2245</u>	Received by: (Signature) <u>Kayleigh R Hall</u>		Date <u>6-13-24</u>	Time <u>0700</u>	

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

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



Chain of Custody

Project Information

Client: Pima Environmental Services Project: Mute 23-11 Fed Com 822H 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 # 1-310	Lab Use Only Lab WO# E406118 Job Number 01258-0007		TAT 1D <input 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"/>	
		Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDQC NM BGDQC TX						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	BGDQC NM	BGDQC TX	Remarks
10:45	6/8	S		S6-1'	11							<input checked="" type="checkbox"/>		
10:53				S6-2'	12									
11:16				S6-3'	13									
11:21				S6-4'	14									
11:36				S7-Surface	15									
11:42				S8-Surface	16									
11:59				S9-Surface	17									
12:16				S10-Surface	18									
12:24				S10-1'	19									
12:33				S10-2'	20									

Additional Instructions: B# XX-146919.01-DRL

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) Kerime Adame Date: 6/12/24 Time: 1:27				Received by: (Signature) Michelle Gonzales Date: 6-12-24 Time: 1327		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 Gonzales Date: 6-12-24 Time: 1545				Received by: (Signature) [Signature] Date: 6-12-24 Time: 1645		
Relinquished by: (Signature) [Signature] Date: 6.12.24 Time: 2245				Received by: (Signature) Kyrill R Haer Date: 6-13-24 Time: 0700		

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

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



Client: Pima Environmental Services Project: <u>Mule 23-11 FedCom 822H</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>1-310</u>		Lab Use Only Lab WO# <u>E406118</u> Job Number <u>01058-0007</u> Analysis and Method				TAT 1D 2D 3D Standard <input checked="" type="checkbox"/>			EPA Program CWA SDWA RCRA	
	State NM CO UT AZ TX <input checked="" type="checkbox"/>		DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0		BGDOC NM BGDOC TX		Remarks				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
12:39	6/8	S		S10-3'	21							<input checked="" type="checkbox"/>		
12:45				S10-4'	22									
12:56				S11-Surface	23									
12:59				S11-1'	24									
1:17				S11-2'	25									
1:21				S11-3'	26									
1:33				S11-4'	27									
1:39				S12-Surface	28									
1:45				BG1	29									

Additional Instructions: B# XX-146919.01-DRL

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>Karina Adams</u> Date <u>6/12/24</u> Time <u>1:27</u>						Received by: (Signature) <u>Michelle Gonzales</u> Date <u>6-12-24</u> Time <u>1327</u>						Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>6-12-24</u> Time <u>1545</u>						Received by: (Signature) <u>S.M.</u> Date <u>6-12-24</u> Time <u>1645</u>						T1 _____ T2 _____ T3 _____		
Relinquished by: (Signature) <u>S.M.</u> Date <u>6-12-24</u> Time <u>2245</u>						Received by: (Signature) <u>Kelly R Heiser</u> Date <u>6-13-24</u> Time <u>0700</u>						AVG Temp °C <u>4</u>		

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

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



Envirotech Analytical Laboratory

Printed: 6/13/2024 10:42:11AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/13/24 07:00	Work Order ID:	E406118
Phone:	(575) 631-6977	Date Logged In:	06/12/24 15:43	Logged In By:	Alexa Michaels
Email:	gio@pimaoil.com	Due Date:	06/19/24 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? 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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Mule 23-11 Federal Com #822H

Work Order: E503173

Job Number: 01058-0007

Received: 3/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/21/25

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: 3/21/25



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Mule 23-11 Federal Com #822H
Workorder: E503173
Date Received: 3/20/2025 11:30:54PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/20/2025 11:30:54PM, under the Project Name: Mule 23-11 Federal Com #822H.

The analytical test results summarized in this report with the Project Name: Mule 23-11 Federal Com #822H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 03/21/25 14:28
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1-4'	E503173-01A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
2-4'	E503173-02A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
3-2'	E503173-03A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
4-2'	E503173-04A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
W1-4'	E503173-05A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
W2-4'	E503173-06A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
W3-4'	E503173-07A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
W4-2'	E503173-08A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.
W5-2'	E503173-09A	Soil	03/19/25	03/20/25	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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1-4'

E503173-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.2 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.9 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2512143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	03/20/25	03/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2512155
Chloride	ND	20.0	1	03/21/25	03/21/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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2-4'

E503173-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		81.0 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2512143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
<i>Surrogate: n-Nonane</i>		87.8 %	61-141	03/20/25	03/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2512155
Chloride	ND	20.0	1	03/21/25	03/21/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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3-2'

E503173-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		80.7 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
<i>Surrogate: n-Nonane</i>						
		92.1 %	61-141	03/20/25	03/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2512155
Chloride	ND	20.0	1	03/21/25	03/21/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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4-2'

E503173-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		81.6 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
<i>Surrogate: n-Nonane</i>						
		93.7 %	61-141	03/20/25	03/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2512155
Chloride	ND	20.0	1	03/21/25	03/21/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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W1-4'

E503173-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		80.7 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
<i>Surrogate: n-Nonane</i>						
		93.2 %	61-141	03/20/25	03/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2512155
Chloride	ND	20.0	1	03/21/25	03/21/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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W2-4'

E503173-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2512143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
<i>Surrogate: n-Nonane</i>		93.4 %	61-141	03/20/25	03/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2512155
Chloride	ND	20.0	1	03/21/25	03/21/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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W3-4'

E503173-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.1 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
<i>Surrogate: n-Nonane</i>						
		93.9 %	61-141	03/20/25	03/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2512155
Chloride	ND	20.0	1	03/21/25	03/21/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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W4-2'

E503173-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.5 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
<i>Surrogate: n-Nonane</i>						
		95.1 %	61-141	03/20/25	03/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2512155
Chloride	ND	20.0	1	03/21/25	03/21/25	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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W5-2'

E503173-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Benzene	ND	0.0250	1	03/21/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/21/25	03/21/25	
Toluene	ND	0.0250	1	03/21/25	03/21/25	
o-Xylene	ND	0.0250	1	03/21/25	03/21/25	
p,m-Xylene	ND	0.0500	1	03/21/25	03/21/25	
Total Xylenes	ND	0.0250	1	03/21/25	03/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.9 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512158
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/25	03/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	03/21/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2512143
Diesel Range Organics (C10-C28)	ND	25.0	1	03/20/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/20/25	03/21/25	
<i>Surrogate: n-Nonane</i>						
		98.3 %	61-141	03/20/25	03/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2512155
Chloride	ND	20.0	1	03/21/25	03/21/25	



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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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 (2512158-BLK1)

Prepared: 03/21/25 Analyzed: 03/21/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.66		8.00		83.2	70-130			

LCS (2512158-BS1)

Prepared: 03/21/25 Analyzed: 03/21/25

Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
o-Xylene	4.89	0.0250	5.00		97.7	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.63		8.00		82.9	70-130			

LCS Dup (2512158-BSD1)

Prepared: 03/21/25 Analyzed: 03/21/25

Benzene	5.06	0.0250	5.00		101	70-130	1.35	20	
Ethylbenzene	4.84	0.0250	5.00		96.8	70-130	1.45	20	
Toluene	4.98	0.0250	5.00		99.6	70-130	1.42	20	
o-Xylene	4.84	0.0250	5.00		96.7	70-130	1.06	20	
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130	1.12	20	
Total Xylenes	14.7	0.0250	15.0		97.8	70-130	1.10	20	
Surrogate: 4-Bromochlorobenzene-PID	6.53		8.00		81.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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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 (2512158-BLK1)

Prepared: 03/21/25 Analyzed: 03/21/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			

LCS (2512158-BS2)

Prepared: 03/21/25 Analyzed: 03/21/25

Gasoline Range Organics (C6-C10)	38.2	20.0	50.0		76.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

LCS Dup (2512158-BSD2)

Prepared: 03/21/25 Analyzed: 03/21/25

Gasoline Range Organics (C6-C10)	41.3	20.0	50.0		82.7	70-130	8.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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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 (2512143-BLK1)

Prepared: 03/20/25 Analyzed: 03/21/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.7		50.0		93.5	61-141			

LCS (2512143-BS1)

Prepared: 03/20/25 Analyzed: 03/21/25

Diesel Range Organics (C10-C28)	222	25.0	250		88.9	66-144			
Surrogate: n-Nonane	45.9		50.0		91.8	61-141			

LCS Dup (2512143-BSD1)

Prepared: 03/20/25 Analyzed: 03/21/25

Diesel Range Organics (C10-C28)	222	25.0	250		88.8	66-144	0.145	20	
Surrogate: n-Nonane	44.2		50.0		88.5	61-141			



QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Mule 23-11 Federal Com #822H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 3/21/2025 2:28:13PM
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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 (2512155-BLK1)

Prepared: 03/20/25 Analyzed: 03/20/25

Chloride	ND	20.0							
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LCS (2512155-BS1)

Prepared: 03/20/25 Analyzed: 03/20/25

Chloride	256	20.0	250		102	90-110			
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LCS Dup (2512155-BSD1)

Prepared: 03/20/25 Analyzed: 03/20/25

Chloride	255	20.0	250		102	90-110	0.159	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:	Mule 23-11 Federal Com #822H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/21/25 14:28

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 Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Mule 23-11 Federal Com #822H				Address:				E503173		01058-0007		X				X					
Project Manager: Tom Bynum				City, State, Zip:																	
Address: 5614 N Lovington Hwy				Phone:																	
City, State, Zip: Hobbs, NM 88240				Email:																	
Phone: (580)748-1613				Miscellaneous: Project No. # 1-310																	
Email: Tom@pimaoil.com																					
Sample Information										Analysis and Method						EPA Program					
Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	HCHA 8 Metals	Carbon/Ammon Pig	SDWA	CWA	RCRA			
																Compliance	Y	or	N		
																PWSID #	Remarks				
9:32	3/19/2025	S		1-4'		1						X								Corrected	
9:35	3/19/2025	S		2-4'		2						X								Sample names	
9:40	3/19/2025	S		5-4' 3-2'		3						X								for samples	
9:43	3/19/2025	S		4-4' 4-2' CM		4						X								3 & 4.	
9:47	3/19/2025	S		W1-4'		5						X								per client.	
9:48	3/19/2025	S		W2-4'		6						X								3/21/25	
9:52	3/19/2025	S		W3-4'		7						X								CM	
9:58	3/19/2025	S		W4-2'		8						X									
10:03	3/19/2025	S		W5-2'		9						X									
Additional Instructions: billing# -XX.146919.01-DRL																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Andrew Franco																					
Relinquished by: (Signature) Andrew Franco				Date 3/19/25		Time 2:54 pm		Received by: (Signature) Karime Adame				Date 3/20/25		Time 11:00		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 oC on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp oC 4					
Relinquished by: (Signature) Karime Adame				Date 3/20/25		Time 3:00		Received by: (Signature) Michelle Gonzalez				Date 3/20/25		Time 1500							
Relinquished by: (Signature) Michelle Gonzalez				Date 3/20/25		Time 1640		Received by: (Signature) John H.				Date 3/20/25		Time 1700							
Relinquished by: (Signature) John H.				Date 3/20/25		Time 2300		Received by: (Signature) Caitlin Mann				Date 3/20/25		Time 2400-2630							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Chain of Custody

Released to Imaging: 4/9/2026 1:22:53 PM

Received by OCD: 4/8/2025 8:28:56 AM

12 fo 02 ege P

Client Information				Invoice Information				Lab Use Only				TAT				State					
Client: Pima Environmental Services, LLC				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Mule 23-11 Federal Com #822H				Address:				E503173		01058-0007		X				X					
Project Manager: Tom Bynum				City, State, Zip:																	
Address: 5614 N Lovington Hwy				Phone:																	
City, State, Zip: Hobbs, NM 88240				Email:																	
Phone: (580)748-1613				Miscellaneous: Project No. # 1-310																	
Email: Tom@pimaoil.com																					
Sample Information																					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TEEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	SDWA	CWA	RCRA			
																Compliance	Y	or	N		
																PWSID #					
																Remarks					
9:32	3/19/2025	S		1-4'		1						X									
9:35	3/19/2025	S		2-4'		2						X									
9:40	3/19/2025	S		3-4'		3						X									
9:43	3/19/2025	S		4-4'		4						X									
9:47	3/19/2025	S		W1-4'		5						X									
9:48	3/19/2025	S		W2-4'		6						X									
9:52	3/19/2025	S		W3-4'		7						X									
9:58	3/19/2025	S		W4-2'		8						X									
10:03	3/19/2025	S		W5-2'		9						X									
Additional Instructions: billing# -XX.146919.01-DRL																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Andrew Franco																					
Relinquished by: (Signature) Andrew Franco				Date 3/19/25		Time 2:54 PM		Received by: (Signature) Karime Adams				Date 3/20/25		Time 11:00		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 oC on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp oC 4					
Relinquished by: (Signature) Karime Adams				Date 3/20/25		Time 3:00		Received by: (Signature) Michelle Gonzalez				Date 3.20.25		Time 1500							
Relinquished by: (Signature) Michelle Gonzalez				Date 3.20.25		Time 1640		Received by: (Signature) John M.				Date 3.20.25		Time 1700							
Relinquished by: (Signature) John M.				Date 3.20.25		Time 2300		Received by: (Signature) Sittly Man				Date 3.20.25		Time 2400-2330							
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.																					

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Envirotech Analytical Laboratory

Printed: 3/21/2025 9:04:55AM

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: 03/20/25 23:30	Work Order ID: E503173
Phone: (575) 631-6977	Date Logged In: 03/20/25 15:38	Logged In By: Caitlin Mars
Email: tom@pimaoil.com	Due Date: 03/21/25 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? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Sante Fe Main Office
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General Information
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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 449490

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449490
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2305244923
Incident Name	NAPP2305244923 MULE 23-11 FED COM 822H @ 30-015-49388
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-49388] MULE 23 11 FEDERAL COM #822H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	MULE 23-11 FED COM 822H
Date Release Discovered	01/15/2023
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Coupling Produced Water Released: 25 BBL Recovered: 16 BBL Lost: 9 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 449490

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449490
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/08/2025
--	--

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QUESTIONS, Page 3

Action 449490

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449490
	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)	Between 1 and 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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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)	505
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1075
GRO+DRO (EPA SW-846 Method 8015M)	769
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	03/17/2025
On what date will (or did) the final sampling or liner inspection occur	03/19/2025
On what date will (or was) the remediation complete(d)	03/31/2025
What is the estimated surface area (in square feet) that will be reclaimed	800
What is the estimated volume (in cubic yards) that will be reclaimed	89
What is the estimated surface area (in square feet) that will be remediated	800
What is the estimated volume (in cubic yards) that will be remediated	89

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.

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QUESTIONS, Page 4

Action 449490

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449490
	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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
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: 04/08/2025
--	--

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.

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QUESTIONS, Page 5

Action 449490

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449490
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 449490

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449490
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	442894
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/19/2025
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	800

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	800
What was the total volume (cubic yards) remediated	89
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	800
What was the total volume (in cubic yards) reclaimed	89
Summarize any additional remediation activities not included by answers (above)	Prior work completed via water transfer company, but without documentation

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: 04/08/2025
--	--

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QUESTIONS, Page 7

Action 449490

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449490
	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 449490

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 449490
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2305244923 MULE 23-11 FED COM 822H, thank you. This Remediation Closure Report is approved.	4/9/2026