



May 18, 2026

New Mexico Energy Minerals and Natural Resources Department

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Closure Request
Amoco 1 Federal TB
Incident Number nAPP2521030181
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Amoco 1 Federal Tank Battery (TB) (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following an equipment failure. Based on field observations, field screening activities, and soil sample laboratory analytical results, Matador is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2521030181.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 01, Township 18 South, Range 32 East, in Lea County, New Mexico (32.77497°, -103.72291°) and is associated with oil and gas exploration and production operations on private land.

On July 28, 2025, corrosion on a vertical heater treater caused a 12-inch horizontal split on the bottom of the vessel to develop resulting in 21 barrels (bbls) of crude oil released on to the well pad and the adjacent pasture, 10 bbls of crude oil were recovered; 11 bbls were unrecoverable. Matador notified the New Mexico Oil Conservation Division (NMOCD) via Notification of Release (NOR) and submitted a Release Notification Form C-141 (C-141) on July 29, 2025. The C-141 can be referenced on the NMOCD Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC).

The closest permitted groundwater well with depth to groundwater data is the New Mexico Office of the State Engineer (NMOSE) monitoring well CP-2108 POD1, located approximately 67 feet southeast of the Site. The well was a soil boring drilled to assess regional groundwater depth and was advanced to a depth of approximately 105 feet below ground surface (bgs) on February 19, 2026. The borehole was left open for 72 hours to allow for potential slow infill of groundwater. On February 23, 2026, the soil

boring was measured by Ensolum personnel and was determined to be dry; confirming depth to groundwater beneath the Site to be greater than 105 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination and potential Site receptors are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 3,319 feet East of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off-pad area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

Between July 30 and August 6, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. Eighteen delineation soil samples (SS01 through SS18) were collected at depths ranging from ground surface to 1-foot bgs to assess the lateral extent of the release area. Eight boreholes (BH01 through BH08) were advanced within the release extent from depth ranging from ground surface to 13 feet bgs to assess the vertical extent of impacted soil.

The delineation soil samples were field screened for chloride and TPH utilizing Hatch® QuanTab® chloride test strips and a PetroFLAG® Soil Analyzer System, respectively. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Photographs from delineation and excavation activities can be referenced in the Photolog in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental

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Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Through the assessment and delineation process, the following nomenclature changes were applied on laboratory chain of custodies:

- Sample SS20, collected and submitted to Envirotech, under work order number E508013 on July 31, 2025, was initially collected as SS20 due to the odd shape of the release. Through delineation activities fewer samples were needed as the lateral extents were being defined and earlier numbers in the sample sequence were removed. This sample was renamed SS18 to prevent confusion in the numbering sequence of the preliminary soil samples.
- Sample FS03 collected and submitted to Envirotech, under work order number E603168 on March 12, 2026, due to a typo, was initially submitted with the wrong depth noted on the Chain-of-Custody. This error was corrected with the correct depth being 0.5 feet bgs.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on March 9, 2026, impacted and waste containing soil was excavated from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a hydro vacuum truck, backhoe, 4-cubic yard front-end loader, and belly dump trucks. To direct excavation activities, Ensolum personnel screened soil for chloride and TPH utilizing the processes described above. Due to the size of the release area, an alternative sampling plan was submitted to the NMOCD on March 2, 2026, to propose the confirmation soil sampling area to 400 square-foot per sample be applied to the floor of the excavation and 200 square-foot per sample be applied to the sidewalls of the excavation. The alternative sampling plan was approved by the NMOCD on March 4, 2026.

Following the removal of impacted and waste containing soil, Ensolum personnel collected 5-point composite soil samples representing no more than 400 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Excavation soil samples FS01 through FS29 were collected from the floor of the excavation at depths ranging from 0.5 feet to 4 feet bgs. Excavation soil samples SW01 through SW10 were collected from the excavation sidewalls, ranging in depth from the ground surface to 4 feet bgs. Due to the nature of the soil off pad, dune/ blow sand, defined sidewalls were not present along the outer edges of excavation floor samples FS01 through FS04 and as such, sidewall soil samples were incorporated into the floor samples. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

On March 10, 2026, Ensolum personnel collected 5-point composite soil samples from backfill material selected for use at the Site. Backfill soil sample BF01 was collected from topsoil and backfill soil sample BF02 was collected from caliche sourced from a local pit. Backfill soil samples were collected, handled, and analyzed following the same procedures as described above.

The final excavation extent measured approximately 10,352 square feet. A total of approximately 630 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Disposal in Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing during excavation activities and backfilled upon receipt of passing confirmation samples.

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LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS18 indicated all COCs were in compliance with the strictest Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results for boreholes BH01 and BH06, collected in the pasture, indicated all COCs were in compliance with the reclamation requirement at 3 feet bgs. BH07, also collected in the pasture, was in compliance with the reclamation requirement at all depths ranging from ground surface to 3 feet bgs. For the delineation soil samples collected on the pad; laboratory analytical results for boreholes BH02, BH03, and BH08 indicated all COCs were in compliance with the Site Closure Criteria per NMOCD Table I at 2 feet bgs. Laboratory analytical results for borehole BH04 indicated all COCs were in compliance with the Site Closure Criteria per NMOCD Table I at 0.5 feet bgs and BH05 was in compliance at 1-foot bgs. Laboratory analytical results for all delineation soil samples are presented on Table 1.

Laboratory analytical results for excavation floor samples FS01 through FS29, collected from the floor of the excavation area, were compliant with the Site Closure Criteria at depths ranging from ground surface to 3 feet bgs. Laboratory analytical results from confirmation sidewall soil samples SW01, SW13, SW15, SW17, SW19, collected from ground surface to 1-foot bgs, were all in compliance with the Site Closure Criteria and with the strictest Table I Closure Criteria. Laboratory analytical results from confirmation sidewall soil samples SW02 through SW12, SW14, SW16, SW18, SW20, and SW21, collected from ground surface to 3 feet bgs, were all in compliance with the Site Closure Criteria. Laboratory analytical results for all excavation floor soil samples are presented on Table 2; excavation sidewall soil samples are presented on Table 3.

Laboratory analytical results for backfill samples BF01 and BF02, collected from the backfill material used at the Site, were compliant with the Site Closure Criteria and the strictest Closure Criteria.

Laboratory analytical results are summarized in Tables 1 through 4 and the complete laboratory analytical reports are included as Appendix D.

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The release extent has been laterally defined in accordance with the strictest Closure Criteria by delineation soil samples SS01 through SS18, collected at ground surface and 1-foot bgs, and vertically defined by boreholes BH01 through BH08, collected at depths ranging from ground surface to 13 feet bgs. Excavation of impacted and waste containing soil was completed, and excavation floor samples FS01 through FS29, collected at depths ranging from 0.5 feet to 4 feet bgs, were all in compliance with the Site Closure Criteria and/or the reclamation requirement where applicable. Excavation sidewall samples SW01 through SW04 and SW06, collected from ground surface to 4 feet bgs, were all in compliance with the strictest Closure Criteria and excavation sidewall soil samples SW05, and SW07 through SW10, collected at depths ranging from ground surface to 3 feet bgs, were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2521030181.

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If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Chad Hamilton", with a stylized, sweeping flourish at the end.

Chad Hamilton
Project Geologist

A handwritten signature in black ink, appearing to read "Daniel R. Moir", with a large, circular loop at the beginning and a horizontal stroke at the end.

Daniel R. Moir, PG (licensed in WY & TX)
Associate Principal, Geologist

cc: Matador

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Excavation Floor Soil Samples)
Table 3	Soil Sample Analytical Results (Excavation Sidewall Soil Samples)
Table 4	Soil Sample Analytical Results (Backfill Soil Samples)
Appendix A	Referenced Well Records
Appendix B	Lithologic / Soil Sampling Logs
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence



FIGURES

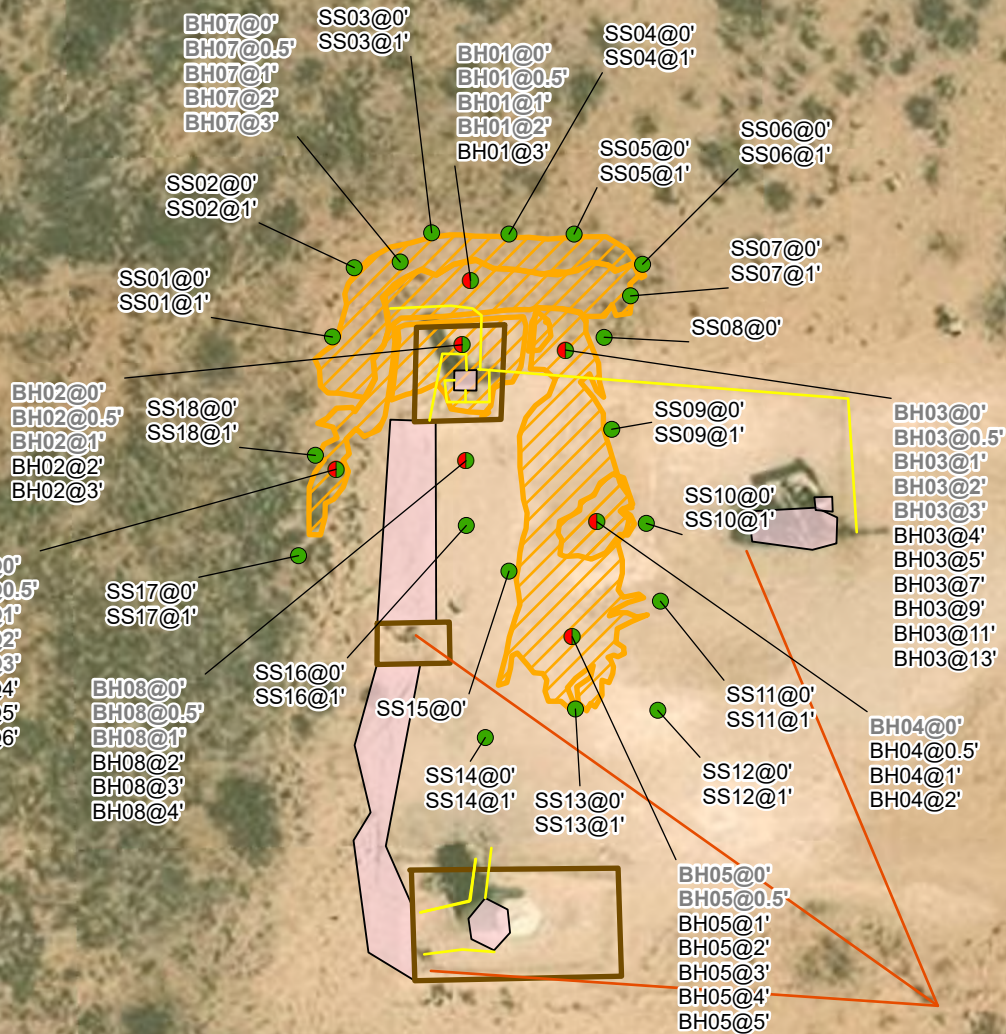


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1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- Electric Line
- Earthen Berm
- Infrastructure
- Visible Staining



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in **bold** indicate sample exceeded applicable Closure Criteria.
 Grey text indicate soil sample was removed during excavation activities.

0 12.5 25 50 75 100
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

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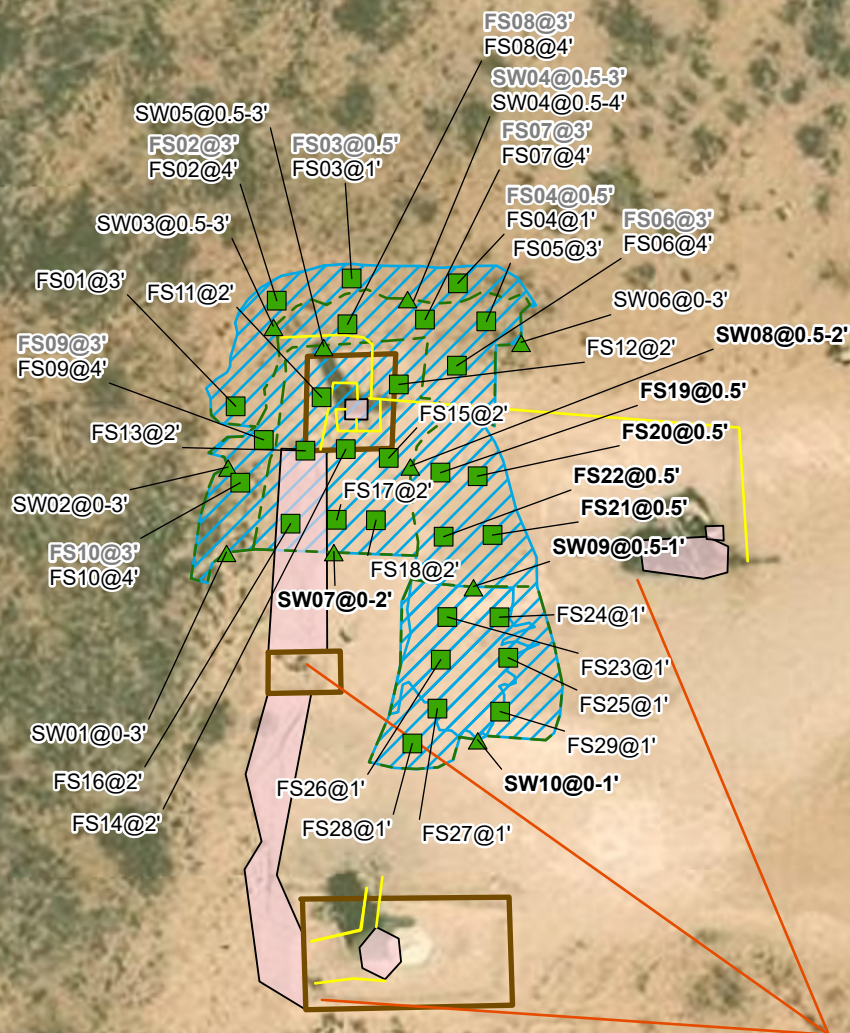
FIGURE

2



Legend

- Confirmation Floor
- Sample in Compliance with Closure Criteria
- Confirmation Sidewall
- Sample in Compliance with Closure Criteria
- Oil and Gas Utility Line
- Electric Utility Line
- Sidewall
- Earthen Berm
- Infrastructure
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in **bold** indicate sample exceeded applicable Closure Criteria.
 Grey text indicate soil sample was removed during excavation activities.

0 12.5 25 50 75 100
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Excavation Soil Sample Locations

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FIGURE

3





TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS01	7/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS01	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.1
SS02	7/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.0
SS02	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.5
SS03	7/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.7
SS03	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	466
SS04	7/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	7/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	7/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	7/31/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	68.7
SS07	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	7/31/2025	0	<0.0250	<0.0500	<20.0	<25.0	67.2	<25.0	67.2	31.0
SS09	7/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	73.4
SS09	7/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.9
SS10	7/31/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.0
SS10	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	7/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
SS11	7/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.4
SS12	7/31/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	211
SS12	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	78.6
SS13	7/30/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	249
SS13	7/30/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS14	8/6/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS14	8/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.8
SS15	7/31/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.8
SS16	7/31/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	70.0
SS16	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.6



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
SS17	8/6/2025	0	<0.0250	0.156	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS17	8/6/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS18	7/31/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS18	7/31/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	8/5/2025	0	<0.0250	0.0303	<20.0	998	843	998	1,841	5,360
BH01	8/5/2025	0.5	<0.0250	<0.0500	<20.0	138	212	138	350	35.3
BH01	8/5/2025	1	<0.0250	<0.0500	<20.0	158	260	158	418	26.2
BH01	8/5/2025	2	<0.0250	<0.0500	<20.0	37.1	88.6	37.1	126	<20.0
BH01	8/5/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	8/5/2025	0	2.03	95.73	341	10,300	2,970	10,641	13,611	1,380
BH02	8/5/2025	0.5	0.199	25.179	106	3,300	1,350	3,406	4,756	2,150
BH02	8/5/2025	1	<0.0250	0.7680	<20.0	3,940	2,760	3,940	6,700	203
BH02	8/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	342
BH02	8/5/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	344
BH03	8/5/2025	0	0.867	60.567	289	23,700	9,610	23,989	33,599	13,800
BH03	8/5/2025	0.5	<0.0250	138.4	1,030	14,300	5,070	15,330	20,400	188
BH03	8/5/2025	1	<0.0250	193.1	1,430	15,000	4,760	16,430	21,190	<20.0
BH03	8/5/2025	2	<0.0250	<0.0500	<20.0	171	110	171	281	31.2
BH03	8/5/2025	3	<0.0250	<0.0500	<20.0	43.7	<50.0	43.7	43.7	25.2
BH03	8/5/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.1
BH03	8/5/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.0
BH03	8/5/2025	7	<0.0250	<0.0500	<20.0	57.7	<50.0	57.7	57.7	2,220
BH03	8/5/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,800
BH03	8/5/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,020
BH03	8/5/2025	13	<0.0250	<0.0500	<20.0	29.8	<50.0	29.8	29.8	538
BH04	8/5/2025	0	<0.0250	<0.0500	<20.0	1,780	959.0	1,780	2,739	2,420
BH04	8/5/2025	0.5	<0.0250	<0.0500	<20.0	26.3	83	26.3	109.3	<20.0
BH04	8/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	8/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05	8/5/2025	0	1.100	173.6	963	15,100	4,930	16,063	20,993	2,930
BH05	8/5/2025	0.5	1.450	74.15	404	17,900	7,210	18,304	25,514	2,250
BH05	8/5/2025	1	<0.0250	1.03	<20.0	758	331.0	758	1,089	417



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NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH05	8/5/2025	2	<0.0250	0.0381	<20.0	<25.0	<50.0	<25.0	<50.0	48.4
BH05	8/5/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	308
BH05	8/5/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221
BH05	8/5/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	150
BH06	8/6/2025	0	2.67	136	656	23,400	6,750	23,400	30,150	2,160
BH06	8/6/2025	0.5	8.65	312	1,260	11,800	3,300	11,800	15,100	222
BH06	8/6/2025	1	<0.0250	1.50	<20.0	682	215	682	897	88.3
BH06	8/6/2025	2	<0.0250	0.05	<20.0	191	102	191	293	272
BH06	8/6/2025	3	<0.0250	<0.0500	<20.0	40.1	<50.0	40.1	40.1	148
BH06	8/6/2025	4	<0.0250	0.09	<20.0	51.9	<50.0	51.9	51.9	83.5
BH06	8/6/2025	5	<0.0250	<0.0500	<20.0	30.8	<50.0	30.8	30.8	135
BH06	8/6/2025	6	<0.0250	<0.0500	<20.0	36.0	<50.0	36.0	36.0	495
BH07	8/5/2025	0	<0.0250	<0.0500	<20.0	30.0	<50.0	30.0	30.0	<20.0
BH07	8/5/2025	0.5	<0.0250	<0.0500	<20.0	48.6	<50.0	48.6	48.6	31.0
BH07	8/5/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.5
BH07	8/5/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	207
BH07	8/5/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	135
BH08	8/6/2025	0	<0.0250	<0.0500	<20.0	5,390	2,880	5,390	8,270	328
BH08	8/6/2025	0.5	<0.0250	<0.0500	<20.0	3,620	2,180	3,620	5,800	156
BH08	8/6/2025	1	<0.0250	<0.0500	<20.0	2,020	1,610	2,020	3,630	137
BH08	8/6/2025	2	<0.0250	<0.0500	<20.0	216	174	216	390	252
BH08	8/6/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
BH08	8/6/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	424

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD reclamation standard where applicable.Concentrations in **red** exceed the NMOCD Table I Closure Criteria where applicable.

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Amoco 1 Federal TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS01	3/12/2026	3	<0.0250	<0.0500	<20.0	39.7	<50.0	39.7	39.7	93.7
FS02	3/12/2026	3	<0.0250	<0.0500	<20.0	162	118	280	280	117
FS02	3/27/2026	4	<0.0250	<0.0500	<20.0	100	82	100	182	339
FS03	3/12/2026	0.5	<0.0250	<0.0500	<20.0	159	129	159	288	175
FS03	3/27/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	216
FS04	3/12/2026	0.5	<0.0250	<0.0500	<20.0	54.1	58.7	54.1	113	<175
FS04	3/27/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.2
FS05	3/12/2026	3	<0.0250	<0.0500	<20.0	41.2	<50.0	41.2	41.2	111
FS06	3/12/2026	3	<0.0250	<0.0500	<20.0	405	221	<25.0	626	406
FS06	3/27/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	204
FS07	3/12/2026	3	<0.0250	<0.0500	<20.0	191	136	191	327	369
FS07	3/27/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	190
FS08	3/12/2026	3	<0.0250	<0.0500	<20.0	95.5	81.7	95.5	177	337
FS08	3/27/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	254
FS09	3/12/2026	3	<0.0250	<0.0500	<20.0	176	141	176	317	398
FS09	3/27/2026	4	<0.0250	<0.0500	<20.0	27	<50.0	27	<50.0	265
FS10	3/12/2026	3	<0.0250	<0.0500	<20.0	174	125	174	315	79.2
FS10	3/27/2026	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.6
FS11	3/12/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.9
FS12	3/12/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.3
FS13	3/12/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.7
FS14	3/12/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	68.4
FS15	3/12/2026	2	<0.0250	<0.0500	<20.0	33.3	<50.0	33.3	33.3	303
FS16	3/12/2026	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.9
FS17	3/12/2026	2	<0.0250	<0.0500	<20.0	27.6	<50.0	27.6	27.6	303
FS18	3/12/2026	2	<0.0250	<0.0500	<20.0	30.2	<50.0	30.2	30.2	315
FS19	3/12/2026	0.5	<0.0250	<0.0500	<20.0	304	164	304	468	824
FS20	3/12/2026	0.5	<0.0250	<0.0500	<20.0	74.1	52.4	74.1	127	309
FS21	3/12/2026	0.5	<0.0250	<0.0500	<20.0	261	123	261	384	387
FS22	3/12/2026	0.5	<0.0250	<0.0500	<20.0	272	134	272	406	403
FS23	3/10/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	98.6



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Amoco 1 Federal TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS24	3/10/2026	1	<0.0250	<0.0500	<20.0	121	57.2	121	178	42.1
FS25	3/10/2026	1	<0.0250	<0.0500	<20.0	162	69.2	162	231	82.2
FS26	3/10/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	253
FS27	3/10/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	240
FS28	3/10/2026	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.4
FS29	3/10/2026	1	<0.0250	<0.0500	<20.0	71.9	<50.0	71.9	71.9	162

Notes:

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GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
 Amoco 1 Federal TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Sidewall Soil Samples										
SW01	3/13/2026	0-3'	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	574
SW02	3/13/2026	0-3'	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	586
SW03	3/13/2026	0.5-3'	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	558
SW04	3/13/2026	0.5-3'	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	655
SW04	3/31/2026	0.5-4'	<0.0250	<0.0500	<20.0	37.9	<50.0	37.9	<50.0	185
SW05	3/13/2026	0.5-3'	<0.0250	<0.0500	<20.0	638	289	638	927	120
SW06	3/13/2026	0-3'	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	536
SW07	3/13/2026	0-2'	<0.0250	<0.0500	<20.0	259	91.0	259	350	105
SW08	3/13/2026	0.5-2'	<0.0250	<0.0500	<20.0	104	50.2	104	154	76.6
SW09	3/13/2026	0.5-1'	<0.0250	<0.0500	<20.0	203	77.4	203	280	104
SW10	3/10/2026	0-1'	<0.0250	<0.0500	<20.0	151	149	151	300	919

Notes:

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mg/kg: milligrams per kilogram

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GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 4
SOIL SAMPLE ANALYTICAL RESULTS
 Amoco 1 Federal TB
 Matador Production Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29) reflective of depth to groundwater greater than 101 feet bgs			10	50	NE	NE	NE	1,000	2,500	20,000
Backfill Soil Samples										
BF01	3/10/2026	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.4
BF02	3/10/2026	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

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ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Record and Log



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod-1		WELL TAG ID NO.		OSE FILE NO(S) CP-2108			
	WELL OWNER NAME(S) Matador Production Co.				PHONE (OPTIONAL) 337-652-3463			
	WELL OWNER MAILING ADDRESS 5400 LBJ FWY Ste. 1500				CITY Dallas	STATE TX	ZIP 75240	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 46	SECONDS 28.23	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	43	21.55	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE UL-K S-1 T-18S R-32E SE of Loco Hills								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1867		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 2/19/26	DRILLING ENDED 2/19/26	DEPTH OF COMPLETED WELL (FT) 105		BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) Dry Hole		
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 2/23/26		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐			
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:							
	DEPTH (feet bgl) FROM TO		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)
				No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				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

4. HYDROGEOLOGIC LOG OF WELL

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



PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2108 Pod-1

Well owner: Matador Production Co.

Phone No.: 337-652-3463

Mailing address: 5400 LBJ FWY Ste. 1500

City: Dallas

State: TX

Zip code: 75240

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WD-1867 Expiration Date: 06/27
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Nathan Smelcer
- 4) Date well plugging began: 2/23/26 Date well plugging concluded: 2/23/26
- 5) GPS Well Location: Latitude: 32 deg, 46 min, 28.23 sec
Longitude: 103 deg, 43 min, 21.55 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),
by the following manner: Well sounder
- 7) Static water level measured at initiation of plugging: Dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 2/2/26
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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

III. SIGNATURE:



2/23/26

Version: September 8, 2009
Page 2 of 2



APPENDIX B

Lithologic Soil Sampling Logs

 ENSOLUM		Sample Name: BH01		Date: 8/5/2025				
		Site Name: Amoco 1 Federal TB						
		Incident Number: nAPP2521030181						
		Job Number: 03A2270112						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.775044, -103.722901			Logged By: JM		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 3'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH01	0	0		
D			N	BH01	0.5			
D			N	BH01	1	1	SP-SM	0 - 2' - Silty Sand - Poorly Graded, Light Brown to Red, Fine, Non-plastic, Noncohesive, Uniform, Massive, Sharp
D	<169	439	N	BH01	2	2		
							CL	2 - 3' - Organic Clay - Poorly Graded, Red to Dark Red, Very Fine, Low plasticity, Cohesive, Uniform, Massive
D	<169	34	N	BH01	3	3		
Total Depth @ 3 feet bgs.								

 ENSOLUM		Sample Name: BH02		Date: 8/5/2025				
		Site Name: Amoco 1 Federal TB						
		Incident Number: nAPP2521030181						
		Job Number: 03A2270112						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.774991, -103.722910			Logged By: JM		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 3'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH02	0	0		0' - 0.5' - Pad Caliche
D			Y	BH02	0.5		CCHE	
D			N	BH02	1	1	SP-SM	0.5' - 2' - Silty Sand - Poorly Graded, Light Brown to Red, Fine, Non-plastic, Noncohesive, Uniform, Massive, Sharp
D			N	BH02	2	2		2' - 3' - Organic Clay - Poorly Graded, Red to Dark Red, Very Fine, High plasticity, Cohesive, Uniform, Massive
D	347	74	N	BH02	3	3	OL/OH	
Total Depth @ 3 feet bgs.								

								Sample Name: BH03		Date: 8/5/2025	
								Site Name: Amoco 1 Federal TB			
								Incident Number: nAPP2521030181			
								Job Number: 03A2270112			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JM		Method: Hand Auger	
Coordinates: 32.774985, -103.722808								Hole Diameter: 3"		Total Depth: 15'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			Y	BH03	0	0	CCHE	0' - 0.5' - Pad Caliche			
D			Y	BH03	0.5						
D			N	BH03	1	1	SP-SM	0.5' - 2' - Silty Sand - Poorly Graded, Light Brown to Red, Fine, Non-plastic, Noncohesive, Uniform, Massive, Sharp			
D			N	BH03	2	2					
D			N	BH03	3	3	OL/OH	2' - 3' - Organic Clay - Poorly Graded, Red to Dark Red, Very Fine, High plasticity, Cohesive, Uniform, Massive			
D			N	BH03	4	4					
D			N	BH03	5	5	SP-SM	3' - 6' - Silty Sand - Poorly Graded, Light Brown to Red, Fine, Non-plastic, Noncohesive, Uniform, Massive, Gradational			
D			N		6	6					
D			N	BH03	7	7	CCHE	6 - 8' - Caliche - White to Light Brown, Very Fine, Non-Plastic, Noncohesive, Uniform, Massive, Gradational			
D			N		8	8					
D			N	BH03	9	9					
D			N		10	10					
D			N	BH03	11	11					
D	<169	139	N		12	12	CCHE	8 - 15' - Caliche - White, Very Fine, Non-Plastic, Non-Plastic, Noncohesivem Uniform, Massive			
D	<169	94	N	BH03	13	13					
D			N		14	14					
D	488	88	N		15	15					

 ENSOLUM		Sample Name: BH04		Date: 8/5/2025				
		Site Name: Amoco 1 Federal TB						
		Incident Number: nAPP2521030181						
		Job Number: 03A2270112						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.774842, -103.722779			Logged By: JM		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 1'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH04	0	0	CCHE	0' - 0.5' - Pad Caliche
D			Y	BH04	0.5			
D	<169	0	N	BH04	1	1	OL/OH	0.5' - 1' - Organic Clay - Poorly Graded, Red to Dark Red, Very Fine, High plasticity, Cohesive, Uniform, Massive
D			N	BH04	2	2		
Total depth @ 2 feet bgs.								

 ENSOLUM		Sample Name: BH05		Date: 8/5/2025				
		Site Name: Amoco 1 Federal TB						
		Incident Number: nAPP2521030181						
		Job Number: 03A2270112						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.774746, -103.722805				Logged By: JM				
				Method: Hand Auger				
				Hole Diameter: 3"				
				Total Depth: 7'				
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH05	0	0	CCHE	0' - 0.5' - Pad Caliche
D			Y	BH05	0.5			
D			N	BH05	1	1	OL/OH	0.5' - 2' - Organic Clay - Poorly Graded, Red to Dark Red, Very Fine, High plasticity, Cohesive, Uniform, Massive
D	<169		N	BH05	2	2		
D	372		N	BH05	3	3		
D	263		N	BH05	4	4	SP-SM	2' - 6' - Silty Sand - Poorly Graded, Light Brown to Red, Fine, Non-plastic, Noncohesive, Uniform, Massive, Gradational
D	224	45	N	BH05	5	5		
D	504	31	N		6	6		
D			N		7	7	CCHE	6' - 7' - Caliche - White, Very Fine, Non-Plastic, Non-Plastic, Noncohesive, Uniform, Massive
Total Depth @ 7 feet bgs.								

 ENSOLUM		Sample Name: BH06		Date: 8/6/2025				
		Site Name: Amoco 1 Federal TB						
		Incident Number: nAPP2521030181						
		Job Number: 03A2270112						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.774888, -103.723036				Logged By: JM				
				Method: Hand Auger				
				Hole Diameter: 3"				
				Total Depth: 6'				
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH06	0	0	SP-SM	0' - 5' - Silty Sand - Poorly Graded, Light Brown to Red, Fine, Non-plastic, Noncohesive, Uniform, Massive, Sharp
D			N	BH06	0.5			
D	<169		N	BH06	1	1		
D	<169	368	N	BH06	2	2		
D			N	BH06	3	3		
D	<169	211	N	BH06	4	4		
D	<169	139	N	BH06	5	5	CCHE	5' - 6' - Caliche - White to Light Brown, Very Fine, Non-Plastic, Noncohesive, Uniform, Massive, Gradational
D	<169	91	N	BH06	6	6		
Total Depth @ 6 feet bgs.								

 ENSOLUM		Sample Name: BH07		Date: 8/5/2025				
		Site Name: Amoco 1 Federal TB						
		Incident Number: nAPP2521030181						
		Job Number: 03A2270112						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.775061, -103.722970				Logged By: JM		Method: Hand Auger		
				Hole Diameter: 3"		Total Depth: 3'		
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH07	0	0		
D			Y	BH07	0.5			
D			N	BH07	1	1	SP-SM	0 - 2' - Silty Sand - Poorly Graded, Light Brown to Red, Fine, Non-plastic, Noncohesive, Uniform, Massive, Sharp
D	<169	158	N	BH07	2	2		
D	<169	38	N	BH07	3	3	OL/OH	2 - 3' - Organic Clay - Poorly Graded, Red to Dark Red, Very Fine, High plasticity, Cohesive, Uniform, Massive
Total Depth 3 feet bgs.								

								Sample Name: BH08		Date: 8/6/2025			
								Site Name: Amoco 1 Federal TB					
								Incident Number: nAPP2521030181					
								Job Number: 03A2270112					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: JM		Method: Hand Auger			
Coordinates: 32.774894, -103.722908								Hole Diameter: 3"		Total Depth: 4'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.													
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
D			N	BH08	0	0	CCHE	0' - 0.5' - Pad Caliche					
D			N	BH08	0.5								
D			N	BH08	1	1	SP-SM	0.5' - 2' - Silty Sand - Poorly Graded, Light Brown to Red, Fine, Non-plastic, Noncohesive, Uniform, Massive, Sharp					
D			N	BH08	2	2							
D			N	BH08	3	3	OL/OH	2' - 4' - Organic Clay - Poorly Graded, Red to Dark Red, Very Fine, High plasticity, Cohesive, Uniform, Massive					
D	347	90	N	BH08	4	4							
Total Depth @ 4 feet bgs.													



APPENDIX C

Photographic Log



Photographic Log

Matador Production Company

Amoco 1 Federal TB

nAPP2521030181

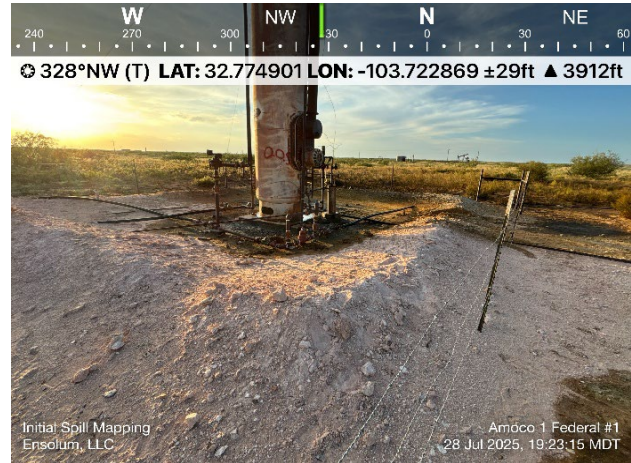


Photograph 1

Date: 7/28/2025

Description: Lease Sign

View: Southwest

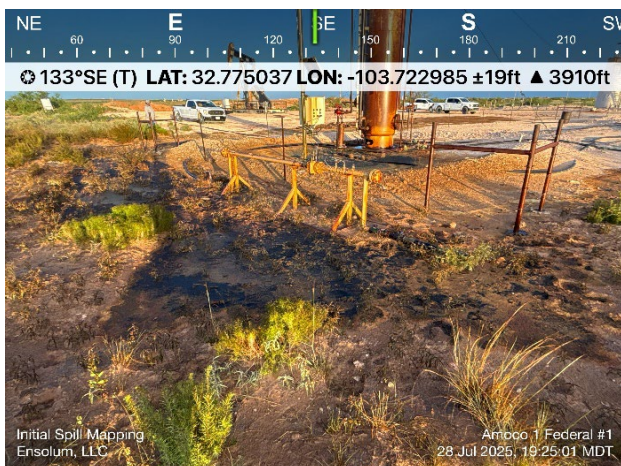


Photograph 2

Date: 7/28/2025

Description: Initial Spill Mapping

View: Northwest

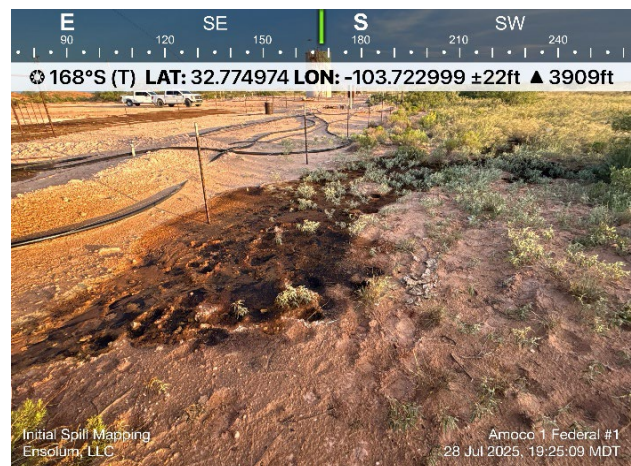


Photograph 3

Date: 7/28/2025

Description: Initial Spill Mapping

View: Southeast



Photograph 4

Date: 7/28/2025

Description: Initial Spill Mapping

View: South



Photographic Log

Matador Production Company

Amoco 1 Federal TB

nAPP2521030181



Photograph 5

Date: 7/28/2025

Description: Initial Spill Mapping

View: South

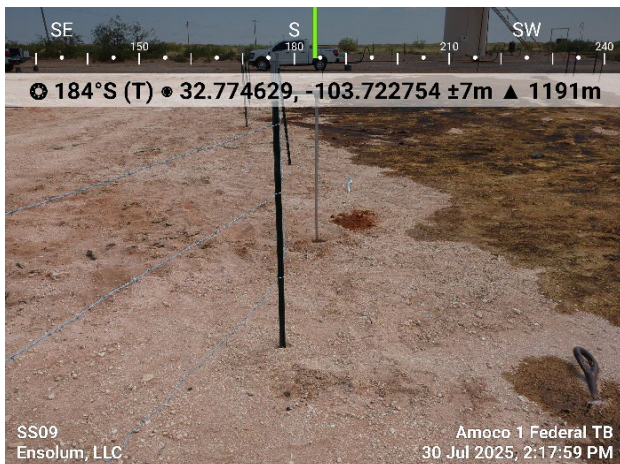


Photograph 6

Date: 7/30/2025

Description: Release Area

View: Northwest



Photograph 7

Date: 7/30/2025

Description: SS09

View: South



Photograph 8

Date: 7/30/2025

Description: SS11

View: Northwest

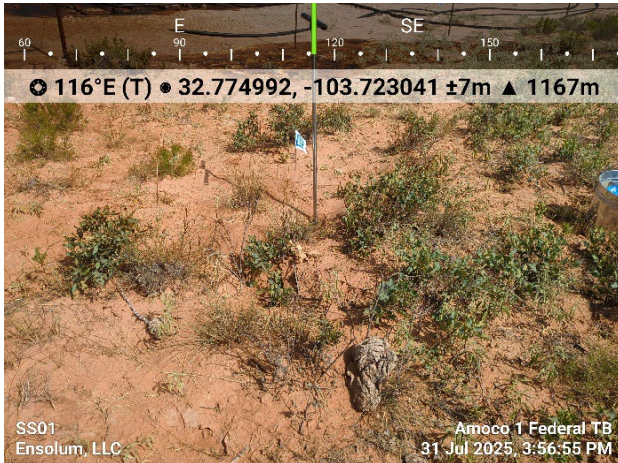


Photographic Log

Matador Production Company

Amoco 1 Federal TB

nAPP2521030181



Photograph 9

Date: 7/31/2025

Description: SS01

View: Southeast

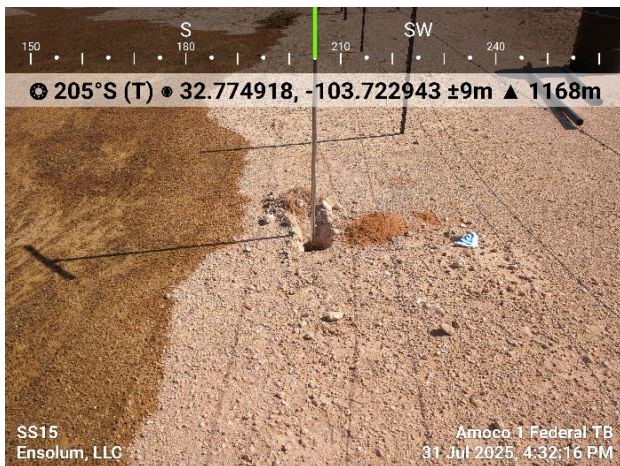


Photograph 10

Date: 7/31/2025

Description: SS04

View: South

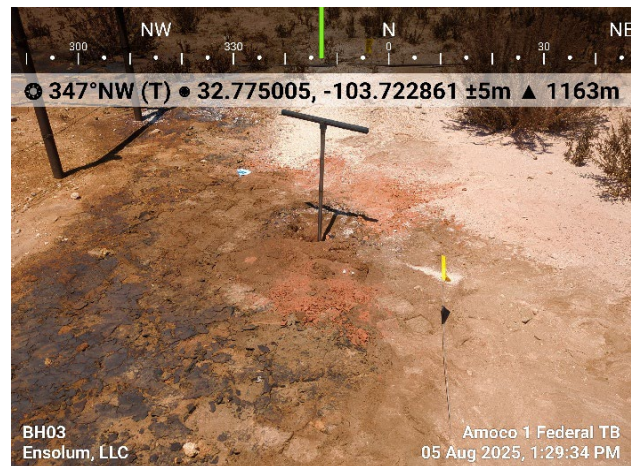


Photograph 11

Date: 7/31/2025

Description: SS15

View: Southwest



Photograph 12

Date: 8/5/2025

Description: BH03

View: North

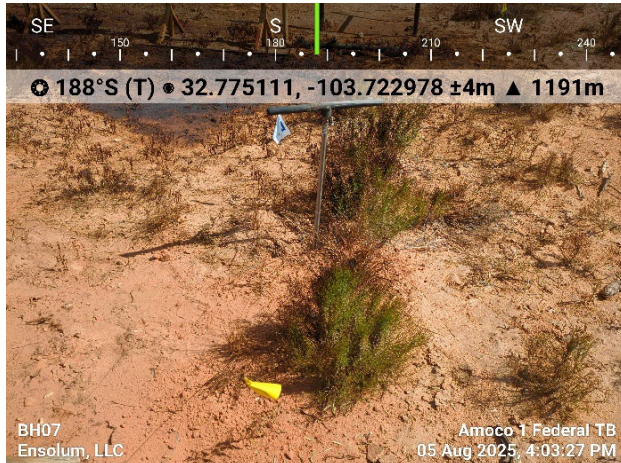


Photographic Log

Matador Production Company

Amoco 1 Federal TB

nAPP2521030181



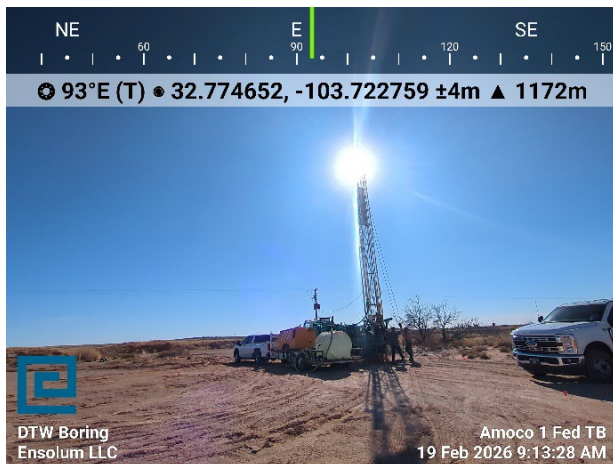
Photograph 13
Description: BH07
View: South

Date: 8/5/2025



Photograph 14
Description: BH08
View: North

Date: 8/6/2025



Photograph 15
Description: DTW Boring
View: East

Date: 2/19/2025



Photograph 16
Description: Strat Grid
View: Direct

Date: 2/19/2025



Photographic Log

Matador Production Company

Amoco 1 Federal TB

nAPP2521030181



Photograph 17

Date: 03/09/2026

Description: Excavation Marking

View: West



Photograph 18

Date: 03/09/2026

Description: Hydrovac Windowing

View: Direct



Photograph 19

Date: 03/09/2026

Description: Excavation Marking

View: North



Photograph 20

Date: 03/09/2026

Description: Excavation Marking

View: East



Photographic Log

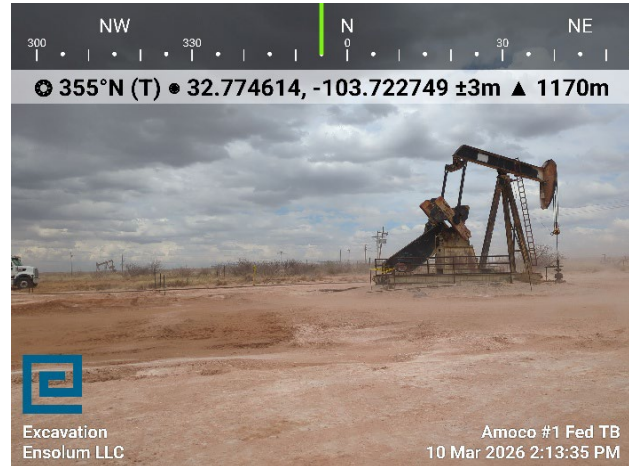
Matador Production Company

Amoco 1 Federal TB

nAPP2521030181



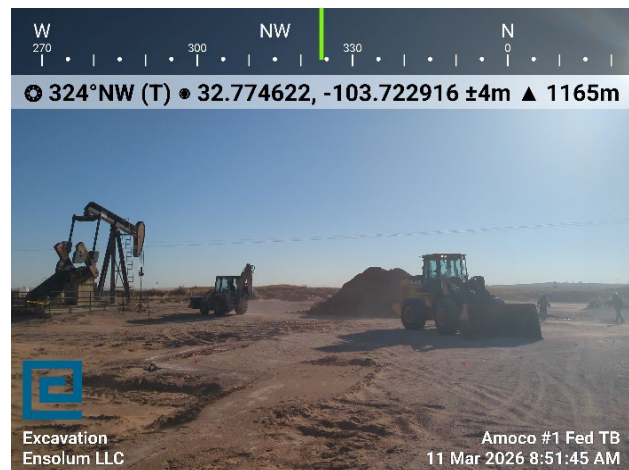
Photograph 21 Date: 03/10/2026
Description: Excavation/Hydrovaccing
View: Northwest



Photograph 22 Date: 03/10/2026
Description: Excavation
View: North



Photograph 23 Date: 03/10/2026
Description: Excavation
View: Northwest



Photograph 24 Date: 03/11/2026
Description: Excavation Activity
View: Northwest



Photographic Log

Matador Production Company

Amoco 1 Federal TB

nAPP2521030181



Photograph 25
Description: Excavation
View: South

Date: 03/12/2026



Photograph 26
Description: Excavation
View: Northwest

Date: 03/12/2026



Photograph 27
Description: Excavation
View: South

Date: 03/12/2026



Photograph 28
Description: Excavation
View: North

Date: 03/12/2026



Photographic Log

Matador Production Company

Amoco 1 Federal TB

nAPP2521030181



Photograph 25
Description: Excavation
View: South

Date: 03/12/2026



Photograph 26
Description: Excavation
View: Northeast

Date: 03/12/2026



Photograph 27
Description: JD 624K
View: South

Date: 03/12/2026



Photograph 28
Description: Excavation
View: East

Date: 03/13/2026

**Photographic Log**

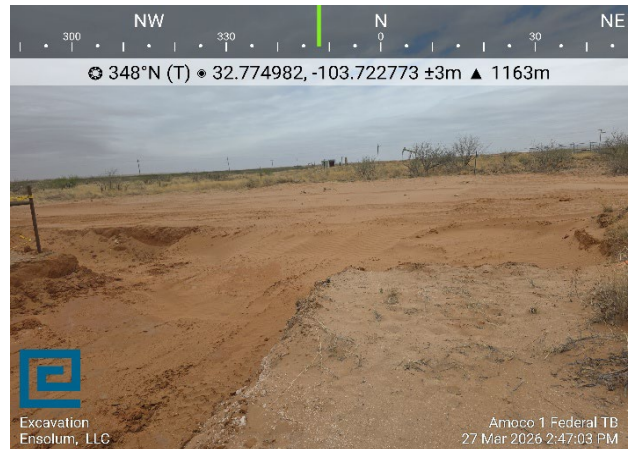
Matador Production Company

Amoco 1 Federal TB

nAPP2521030181



Photograph 25
Description: Excavation
View: North



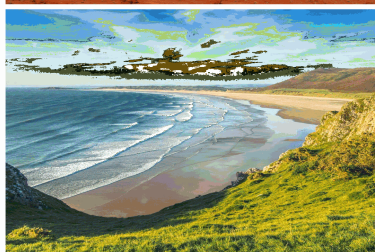
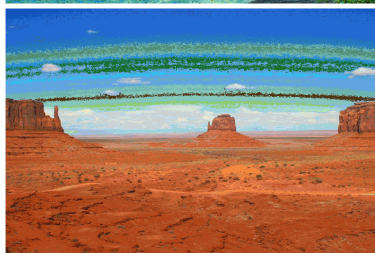
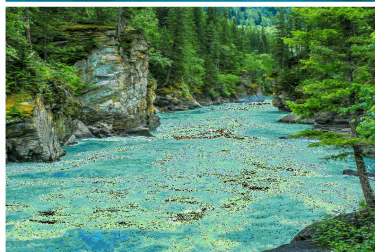
Photograph 26
Description: Excavation
View: North



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Amoco 1 Fed TB

Work Order: E507358

Job Number: 23003-0002

Received: 8/1/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/7/25

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: 8/7/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Fed TB
Workorder: E507358
Date Received: 8/1/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/1/2025 8:00:00AM, under the Project Name: Amoco 1 Fed TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Fed TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/07/25 08:51
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E507358-01A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
SS02-0'	E507358-02A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
SS03-0'	E507358-03A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
SS04-0'	E507358-04A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
SS05-0'	E507358-05A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.
SS06-0'	E507358-06A	Soil	07/30/25	08/01/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/7/2025 8:51:44AM

SS01-0'

E507358-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2531158	
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2531158	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2531178	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/06/25	
<i>Surrogate: n-Nonane</i>		96.0 %	61-141	08/01/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2531167	
Chloride	ND	20.0	1	08/01/25	08/04/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/7/2025 8:51:44AM

SS02-0'

E507358-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		102 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		102 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531178
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/06/25	
Surrogate: n-Nonane		100 %	61-141	08/01/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531167
Chloride	30.0	20.0	1	08/01/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/7/2025 8:51:44AM

SS03-0'

E507358-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene	99.6 %	70-130		08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		08/01/25	08/04/25	
Surrogate: Toluene-d8	101 %	70-130		08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene	99.6 %	70-130		08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		08/01/25	08/04/25	
Surrogate: Toluene-d8	101 %	70-130		08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531178
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/06/25	
Surrogate: n-Nonane	99.3 %	61-141		08/01/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531167
Chloride	25.7	20.0	1	08/01/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/7/2025 8:51:44AM

SS04-0'

E507358-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene	99.5 %	70-130		08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		08/01/25	08/04/25	
Surrogate: Toluene-d8	102 %	70-130		08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene	99.5 %	70-130		08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		08/01/25	08/04/25	
Surrogate: Toluene-d8	102 %	70-130		08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531178
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/06/25	
Surrogate: n-Nonane	95.5 %	61-141		08/01/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531167
Chloride	ND	20.0	1	08/01/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/7/2025 8:51:44AM

SS05-0'

E507358-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene	99.8 %	70-130		08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/01/25	08/04/25	
Surrogate: Toluene-d8	102 %	70-130		08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene	99.8 %	70-130		08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/01/25	08/04/25	
Surrogate: Toluene-d8	102 %	70-130		08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531178
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/06/25	
Surrogate: n-Nonane	97.0 %	61-141		08/01/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531167
Chloride	ND	20.0	1	08/01/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/7/2025 8:51:44AM

SS06-0'

E507358-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Benzene	ND	0.0250	1	08/01/25	08/04/25	
Ethylbenzene	ND	0.0250	1	08/01/25	08/04/25	
Toluene	ND	0.0250	1	08/01/25	08/04/25	
o-Xylene	ND	0.0250	1	08/01/25	08/04/25	
p,m-Xylene	ND	0.0500	1	08/01/25	08/04/25	
Total Xylenes	ND	0.0250	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		101 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531158
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/25	08/04/25	
Surrogate: Bromofluorobenzene		101 %	70-130	08/01/25	08/04/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	08/01/25	08/04/25	
Surrogate: Toluene-d8		102 %	70-130	08/01/25	08/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2531178
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/25	08/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/25	08/06/25	
Surrogate: n-Nonane		100 %	61-141	08/01/25	08/06/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2531167
Chloride	ND	20.0	1	08/01/25	08/05/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2025 8:51:44AM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531158-BLK1)

Prepared: 08/01/25 Analyzed: 08/04/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

LCS (2531158-BS1)

Prepared: 08/01/25 Analyzed: 08/04/25

Benzene	2.30	0.0250	2.50		91.9	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.5	70-130			
Toluene	2.25	0.0250	2.50		89.9	70-130			
o-Xylene	2.28	0.0250	2.50		91.2	70-130			
p,m-Xylene	4.55	0.0500	5.00		90.9	70-130			
Total Xylenes	6.83	0.0250	7.50		91.0	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike (2531158-MS1)

Source: E507350-07

Prepared: 08/01/25 Analyzed: 08/06/25

Benzene	2.27	0.0250	2.50	ND	90.6	48-131			
Ethylbenzene	2.24	0.0250	2.50	ND	89.5	45-135			
Toluene	2.19	0.0250	2.50	ND	87.7	48-130			
o-Xylene	2.16	0.0250	2.50	ND	86.4	43-135			
p,m-Xylene	4.36	0.0500	5.00	ND	87.1	43-135			
Total Xylenes	6.52	0.0250	7.50	ND	86.9	43-135			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			

Matrix Spike Dup (2531158-MSD1)

Source: E507350-07

Prepared: 08/01/25 Analyzed: 08/04/25

Benzene	2.52	0.0250	2.50	ND	101	48-131	10.8	23	
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135	15.2	27	
Toluene	2.55	0.0250	2.50	ND	102	48-130	15.1	24	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	17.3	27	
p,m-Xylene	5.13	0.0500	5.00	ND	102	43-135	16.2	27	
Total Xylenes	7.69	0.0250	7.50	ND	103	43-135	16.6	27	
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2025 8:51:44AM

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 (2531158-BLK1)

Prepared: 08/01/25 Analyzed: 08/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

LCS (2531158-BS2)

Prepared: 08/01/25 Analyzed: 08/06/25

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0		90.4	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike (2531158-MS2)

Source: E507350-07

Prepared: 08/01/25 Analyzed: 08/06/25

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.8	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike Dup (2531158-MSD2)

Source: E507350-07

Prepared: 08/01/25 Analyzed: 08/06/25

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130	2.74	20	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/7/2025 8:51:44AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2531178-BLK1)					Prepared: 08/01/25 Analyzed: 08/04/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.8		50.0		85.7	61-141			

LCS (2531178-BS1)					Prepared: 08/01/25 Analyzed: 08/04/25				
Diesel Range Organics (C10-C28)	290	25.0	250		116	66-144			
Surrogate: n-Nonane	44.9		50.0		89.8	61-141			

Matrix Spike (2531178-MS1)					Source: E507357-09		Prepared: 08/01/25 Analyzed: 08/04/25		
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	45.4		50.0		90.9	61-141			

Matrix Spike Dup (2531178-MSD1)					Source: E507357-09		Prepared: 08/01/25 Analyzed: 08/04/25		
Diesel Range Organics (C10-C28)	279	25.0	250	ND	111	56-156	4.52	20	
Surrogate: n-Nonane	44.7		50.0		89.5	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/7/2025 8:51:44AM
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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 (2531167-BLK1)					Prepared: 08/01/25 Analyzed: 08/04/25				
Chloride	ND	20.0							
LCS (2531167-BS1)					Prepared: 08/01/25 Analyzed: 08/04/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2531167-MS1)					Source: E507356-46		Prepared: 08/01/25 Analyzed: 08/04/25		
Chloride	1350	40.0	250	1040	124	80-120			M4
Matrix Spike Dup (2531167-MSD1)					Source: E507356-46		Prepared: 08/01/25 Analyzed: 08/04/25		
Chloride	1430	40.0	250	1040	155	80-120	5.46	20	M4

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

Matador Resources, LLC.	Project Name:	Amoco 1 Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/07/25 08:51

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E507358		Job Number 23003-0002				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																				
			X																				
Project: Amoco 1 Fed TB				Address: 3122 National Parks Hwy								<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																				
X																							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: 575-988-0055																			
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																			
Phone: 575-988-0055				Miscellaneous:																			
Email: agiovengo@ensolum.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	RCRA 8 Metals	SDWA	CWA	RCRA						
15:55	7/30/2025	S	1	SS01-0'		1						X											
14:14	7/30/2025	S	1	SS02-0		2						X											
14:10	7/30/2025	S	1	SS03-0'		3						X											
14:06	7/30/2025	S	1	SS04-0'		4						X											
14:02	7/30/2025	S	1	SS05-0'		5						X											
13:59	7/30/2025	S	1	SS06-0'		6						X											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensoulm.com, bsimmons@ensolum.com, jgonzalez@ensolum.com, bmoir@ensolum.com, oaderinto@ensolum.com 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: <u>Aboukakar Kone</u>																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N T1 _____ T2 _____ T3 _____ AVG Temp °C _____															
Michelle Gonzales		7/31/25	10:00	Michelle Gonzales		7-31-25	1000																
Michelle Gonzales		7-31-25	1445	Marissa Gonzales		7-31-25	1445																
Marissa Gonzales		7-31-25	1825	J.M.		7.31.25	1825																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																
J.M.		7.31.25	2236	Caitlin Mar		8.1.25	800																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							


envirotech

Envirotech Analytical Laboratory

Printed: 8/1/2025 9:18:39AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/01/25 08:00	Work Order ID:	E507358
Phone:	(972) 371-5200	Date Logged In:	07/31/25 15:02	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/07/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

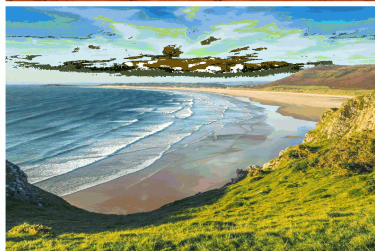
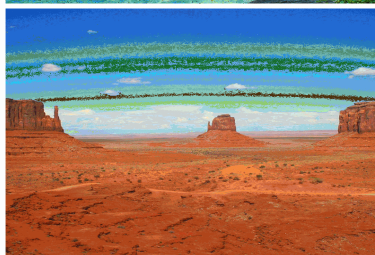
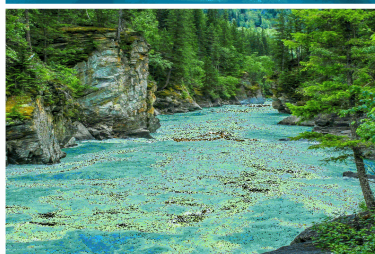
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Amoco 1 Federal TB

Work Order: E508010

Job Number: 23003-0002

Received: 8/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/8/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Federal TB
Workorder: E508010
Date Received: 8/4/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/4/2025 7:30:00AM, under the Project Name: Amoco 1 Federal TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Federal TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/08/25 14:28
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS09-0'	E508010-01A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SS09-1'	E508010-02A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SS11-0'	E508010-03A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SS11-1'	E508010-04A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SS13-0'	E508010-05A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.
SS13-1'	E508010-06A	Soil	07/30/25	08/04/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/8/2025 2:28:53PM

SS09-0'

E508010-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2532054	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>		124 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532049	
Chloride	73.4	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/8/2025 2:28:53PM

SS09-1'

E508010-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532054	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		124 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532049	
Chloride	23.9	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/8/2025 2:28:53PM

SS11-0'

E508010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532054	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		111 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532049	
Chloride	120	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/8/2025 2:28:53PM

SS11-1'

E508010-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532032
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		116 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532049
Chloride	30.4	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/8/2025 2:28:53PM

SS13-0'

E508010-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532032
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532032
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.9 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532054
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		114 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532049
Chloride	249	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/8/2025 2:28:53PM

SS13-1'

E508010-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532054	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>						
		115 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532049	
Chloride	ND	20.0	1	08/05/25	08/05/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:28:53PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532032-BLK1)

Prepared: 08/05/25 Analyzed: 08/07/25

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	8.04		8.00		100	70-130			

LCS (2532032-BS1)

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	5.59	0.0250	5.00		112	70-130			
Ethylbenzene	5.42	0.0250	5.00		108	70-130			
Toluene	5.54	0.0250	5.00		111	70-130			
o-Xylene	5.32	0.0250	5.00		106	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

Matrix Spike (2532032-MS1)

Source: E508010-02

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	6.11	0.0250	5.00	ND	122	70-130			
Ethylbenzene	5.88	0.0250	5.00	ND	118	70-130			
Toluene	6.02	0.0250	5.00	ND	120	70-130			
o-Xylene	5.79	0.0250	5.00	ND	116	70-130			
p,m-Xylene	11.8	0.0500	10.0	ND	118	70-130			
Total Xylenes	17.6	0.0250	15.0	ND	117	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		104	70-130			

Matrix Spike Dup (2532032-MSD1)

Source: E508010-02

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	5.74	0.0250	5.00	ND	115	70-130	6.25	27	
Ethylbenzene	5.56	0.0250	5.00	ND	111	70-130	5.62	26	
Toluene	5.67	0.0250	5.00	ND	113	70-130	6.01	20	
o-Xylene	5.47	0.0250	5.00	ND	109	70-130	5.67	25	
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130	5.57	23	
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130	5.60	26	
Surrogate: 4-Bromochlorobenzene-PID	8.41		8.00		105	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:28:53PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532032-BLK1) Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			

LCS (2532032-BS2) Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

Matrix Spike (2532032-MS2) Source: E508010-02 Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2532032-MSD2) Source: E508010-02 Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130	2.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:28:53PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532054-BLK1)					Prepared: 08/05/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	61-141			

LCS (2532054-BS1)					Prepared: 08/05/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	285	25.0	250		114	66-144			
Surrogate: n-Nonane	56.1		50.0		112	61-141			

Matrix Spike (2532054-MS1)					Source: E508006-06		Prepared: 08/05/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	55.0		50.0		110	61-141			

Matrix Spike Dup (2532054-MSD1)					Source: E508006-06		Prepared: 08/05/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	321	25.0	250	ND	128	56-156	9.44	20	
Surrogate: n-Nonane	58.5		50.0		117	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/8/2025 2:28:53PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532049-BLK1)					Prepared: 08/05/25 Analyzed: 08/05/25				
Chloride	ND	20.0							
LCS (2532049-BS1)					Prepared: 08/05/25 Analyzed: 08/05/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2532049-MS1)					Source: E508010-05		Prepared: 08/05/25 Analyzed: 08/05/25		
Chloride	513	20.0	250	249	106	80-120			
Matrix Spike Dup (2532049-MSD1)					Source: E508010-05		Prepared: 08/05/25 Analyzed: 08/05/25		
Chloride	515	20.0	250	249	107	80-120	0.395	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

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/08/25 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.



Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# E508010				Job Number 23013-0002				1D 2D 3D Std X							
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy												NM CO UT TX							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220												X							
Address: 3122 National Parks Hwy				Phone: 575-988-0055																			
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																			
Phone: 575-988-0055				Miscellaneous:																			
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA				
																	Compliance	Y	or	N			
																	PWSID #						
																	Sample Temp			Remarks			
1112	7/30/2025	S	1	SS09 - 0'			1								X		4.0						
1419	7/30/2025	S	1	SS09 - 1'			2								X		4.2						
1224	7/30/2025	S	1	SS11 - 0'			3								X		4.2						
1425	7/30/2025	S	1	SS11 - 1'			4								X		4.4						
1232	7/30/2025	S	1	SS13 - 0'			5								X		4.1						
1431	7/30/2025	S	1	SS13 - 1'			6								X		4.0						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, lestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, imccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com 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: Jarad McCauley																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice:					
		08/01/25		0800				8-1-25		0800				8-1-25		0800							
		8-1-25		1415				8-1-25		1415				8-1-25		1415							
		8-1-25		2200				8-4-25		1730				8-4-25		1730							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received by: (Signature)		Date		Time							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

Envirotech Analytical Laboratory

Printed: 8/4/2025 8:30:19AM

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:	Matador Resources, LLC.	Date Received:	08/04/25 07:30	Work Order ID:	E508010
Phone:	(972) 371-5200	Date Logged In:	08/01/25 15:03	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/08/25 07:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

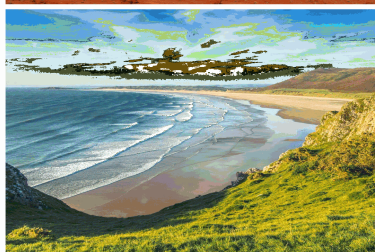
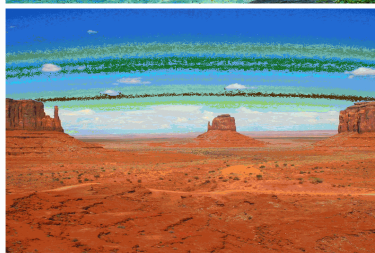
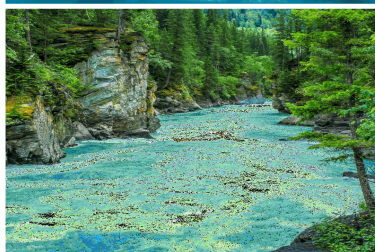
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Amoco 1 Federal TB

Work Order: E508011

Job Number: 23003-0002

Received: 8/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/8/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Federal TB
Workorder: E508011
Date Received: 8/4/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/4/2025 7:30:00AM, under the Project Name: Amoco 1 Federal TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Federal TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/08/25 14:24
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS08-0'	E508011-01A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS08-1'	E508011-02A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/8/2025 2:24:05PM

SS08-0'

E508011-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Benzene	ND	0.0250	1	08/05/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/07/25	
Toluene	ND	0.0250	1	08/05/25	08/07/25	
o-Xylene	ND	0.0250	1	08/05/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2532032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	08/05/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2532054	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	67.2	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2532044	
Chloride	31.0	20.0	1	08/05/25	08/05/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:24:05PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532032-BLK1)

Prepared: 08/05/25 Analyzed: 08/07/25

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	8.04		8.00		100	70-130			

LCS (2532032-BS1)

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	5.59	0.0250	5.00		112	70-130			
Ethylbenzene	5.42	0.0250	5.00		108	70-130			
Toluene	5.54	0.0250	5.00		111	70-130			
o-Xylene	5.32	0.0250	5.00		106	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

Matrix Spike (2532032-MS1)

Source: E508010-02

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	6.11	0.0250	5.00	ND	122	70-130			
Ethylbenzene	5.88	0.0250	5.00	ND	118	70-130			
Toluene	6.02	0.0250	5.00	ND	120	70-130			
o-Xylene	5.79	0.0250	5.00	ND	116	70-130			
p,m-Xylene	11.8	0.0500	10.0	ND	118	70-130			
Total Xylenes	17.6	0.0250	15.0	ND	117	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		104	70-130			

Matrix Spike Dup (2532032-MSD1)

Source: E508010-02

Prepared: 08/05/25 Analyzed: 08/07/25

Benzene	5.74	0.0250	5.00	ND	115	70-130	6.25	27	
Ethylbenzene	5.56	0.0250	5.00	ND	111	70-130	5.62	26	
Toluene	5.67	0.0250	5.00	ND	113	70-130	6.01	20	
o-Xylene	5.47	0.0250	5.00	ND	109	70-130	5.67	25	
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130	5.57	23	
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130	5.60	26	
Surrogate: 4-Bromochlorobenzene-PID	8.41		8.00		105	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:24:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532032-BLK1) Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			

LCS (2532032-BS2) Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

Matrix Spike (2532032-MS2) Source: E508010-02 Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2532032-MSD2) Source: E508010-02 Prepared: 08/05/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130	2.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:24:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532054-BLK1)					Prepared: 08/05/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	61-141			

LCS (2532054-BS1)					Prepared: 08/05/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	285	25.0	250		114	66-144			
Surrogate: n-Nonane	56.1		50.0		112	61-141			

Matrix Spike (2532054-MS1)					Source: E508006-06		Prepared: 08/05/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	55.0		50.0		110	61-141			

Matrix Spike Dup (2532054-MSD1)					Source: E508006-06		Prepared: 08/05/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	321	25.0	250	ND	128	56-156	9.44	20	
Surrogate: n-Nonane	58.5		50.0		117	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/8/2025 2:24:05PM
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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 (2532044-BLK1)					Prepared: 08/05/25 Analyzed: 08/05/25				
Chloride	ND	20.0							
LCS (2532044-BS1)					Prepared: 08/05/25 Analyzed: 08/05/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2532044-MS1)					Source: E508043-02		Prepared: 08/05/25 Analyzed: 08/05/25		
Chloride	725	20.0	250	618	42.5	80-120			M2
Matrix Spike Dup (2532044-MSD1)					Source: E508043-02		Prepared: 08/05/25 Analyzed: 08/05/25		
Chloride	910	20.0	250	618	117	80-120	22.7	20	R3

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

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/08/25 14:24

- M2Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- R3The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- NDAnalyte NOT DETECTED at or above the reporting limit
- NRNot Reported
- RPDRelative Percent Difference
- DNIDid Not Ignite
- DNRDid not react with the addition of acid or base.

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

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

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E508011	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
927	7/31/2025	S	1	SS08 - 0'		1								X		4.2			
1624	7/31/2025	S	1	SS08 - 1'		2								X		4.0			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																			
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: Jarad McCauley																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y N													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 8/4/2025 8:33:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/04/25 07:30	Work Order ID:	E508011
Phone:	(972) 371-5200	Date Logged In:	08/01/25 15:06	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/08/25 07:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Client Remarks- Do not run for BGDOC unless SS08-0 is <100 TPH and <600 CL.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

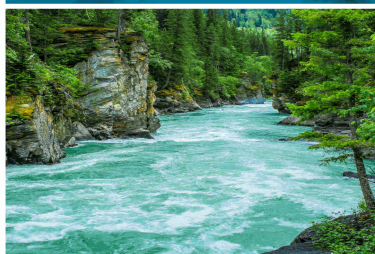
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Amoco 1 Federal TB

Work Order: E508012

Job Number: 23003-0002

Received: 8/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/8/25

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

Date Reported: 8/8/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Federal TB
Workorder: E508012
Date Received: 8/4/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/4/2025 7:30:00AM, under the Project Name: Amoco 1 Federal TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Federal TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/08/25 14:57
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS15-0'	E508012-01A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS15-1'	E508012-02A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/8/2025 2:57:57PM

SS15-0'

E508012-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2532007	
Benzene	ND	0.0250	1	08/04/25	08/07/25	
Ethylbenzene	ND	0.0250	1	08/04/25	08/07/25	
Toluene	ND	0.0250	1	08/04/25	08/07/25	
o-Xylene	ND	0.0250	1	08/04/25	08/07/25	
p,m-Xylene	ND	0.0500	1	08/04/25	08/07/25	
Total Xylenes	ND	0.0250	1	08/04/25	08/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.4 %	70-130	08/04/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2532007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/04/25	08/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	08/04/25	08/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2532056	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>		96.9 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532050	
Chloride	20.8	20.0	1	08/05/25	08/06/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:57:57PM

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 (2532007-BLK1)

Prepared: 08/04/25 Analyzed: 08/07/25

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	6.84		8.00		85.5	70-130			

LCS (2532007-BS1)

Prepared: 08/04/25 Analyzed: 08/07/25

Benzene	4.57	0.0250	5.00		91.3	70-130			
Ethylbenzene	4.41	0.0250	5.00		88.3	70-130			
Toluene	4.52	0.0250	5.00		90.4	70-130			
o-Xylene	4.50	0.0250	5.00		90.1	70-130			
p,m-Xylene	8.96	0.0500	10.0		89.6	70-130			
Total Xylenes	13.5	0.0250	15.0		89.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.77		8.00		84.6	70-130			

Matrix Spike (2532007-MS1)

Source: E508002-41

Prepared: 08/04/25 Analyzed: 08/07/25

Benzene	4.96	0.0250	5.00	ND	99.2	70-130			
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	70-130			
Toluene	4.91	0.0250	5.00	ND	98.3	70-130			
o-Xylene	4.80	0.0250	5.00	ND	96.1	70-130			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.85		8.00		85.6	70-130			

Matrix Spike Dup (2532007-MSD1)

Source: E508002-41

Prepared: 08/04/25 Analyzed: 08/07/25

Benzene	5.33	0.0250	5.00	ND	107	70-130	7.23	27	
Ethylbenzene	5.19	0.0250	5.00	ND	104	70-130	7.41	26	
Toluene	5.29	0.0250	5.00	ND	106	70-130	7.30	20	
o-Xylene	5.15	0.0250	5.00	ND	103	70-130	6.98	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	7.34	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	7.22	26	
Surrogate: 4-Bromochlorobenzene-PID	6.80		8.00		85.0	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:57:57PM

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 (2532007-BLK1)

Prepared: 08/04/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

LCS (2532007-BS2)

Prepared: 08/04/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

Matrix Spike (2532007-MS2)

Source: E508002-41

Prepared: 08/04/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

Matrix Spike Dup (2532007-MSD2)

Source: E508002-41

Prepared: 08/04/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	97.9	70-130	5.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:57:57PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532056-BLK1)					Prepared: 08/05/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.0		50.0		98.1	61-141			

LCS (2532056-BS1)					Prepared: 08/05/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144			
Surrogate: n-Nonane	48.3		50.0		96.6	61-141			

Matrix Spike (2532056-MS1)					Source: E508013-13		Prepared: 08/05/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	46.7		50.0		93.4	61-141			

Matrix Spike Dup (2532056-MSD1)					Source: E508013-13		Prepared: 08/05/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156	6.18	20	
Surrogate: n-Nonane	49.9		50.0		99.8	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/8/2025 2:57:57PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532050-BLK1)					Prepared: 08/05/25 Analyzed: 08/06/25				
Chloride	ND	20.0							
LCS (2532050-BS1)					Prepared: 08/05/25 Analyzed: 08/06/25				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2532050-MS1)					Source: E508028-05		Prepared: 08/05/25 Analyzed: 08/06/25		
Chloride	280	20.0	250	21.8	103	80-120			
Matrix Spike Dup (2532050-MSD1)					Source: E508028-05		Prepared: 08/05/25 Analyzed: 08/06/25		
Chloride	278	20.0	250	21.8	102	80-120	0.672	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

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/08/25 14:57

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E508012	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1226	7/31/2025	S	1	SS15 - 0'		1									X				
1633	7/31/2025	S	1	SS15 - 1'		2									X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																			
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: Jarad McCauley																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y N													
Michelle Gonzales	8-1-25	0800	Michelle Gonzales	8-1-25	0800														
Michelle Gonzales	8-1-25	1415	Michelle Gonzales	8-1-25	1415														
Michelle Gonzales	8-1-25	2200	Michelle Gonzales	8-4-25	1730														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 8/4/2025 8:36:23AM

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:	Matador Resources, LLC.	Date Received:	08/04/25 07:30	Work Order ID:	E508012
Phone:	(972) 371-5200	Date Logged In:	08/01/25 15:11	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/08/25 07:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? 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 InstructionComments/Resolution

Client Remarks- Do not run for BGDOC unless SS15-0 is <100TPH or <600 CL.

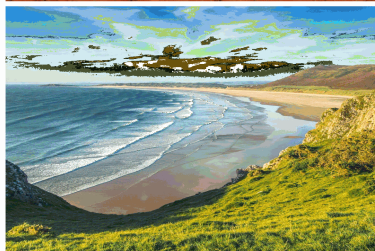
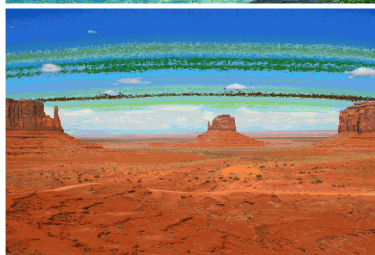
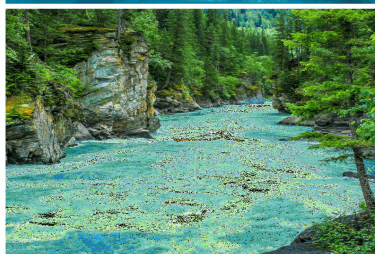
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Amoco 1 Federal TB

Work Order: E508013

Job Number: 23003-0002

Received: 8/4/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/27/25

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.
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Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/27/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Federal TB
Workorder: E508013
Date Received: 8/4/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/4/2025 7:30:00AM, under the Project Name: Amoco 1 Federal TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Federal TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 10/27/25 14:21
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-1'	E508013-01A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS02-1'	E508013-02A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS03-1'	E508013-03A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS04-1'	E508013-04A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS05-1'	E508013-05A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS06-1'	E508013-06A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS07-0'	E508013-07A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS07-1'	E508013-08A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS10-0'	E508013-09A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS10-1'	E508013-10A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS12-0'	E508013-11A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS12-1'	E508013-12A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS16-0'	E508013-13A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS16-1'	E508013-14A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS18-0'	E508013-15A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.
SS18-1'	E508013-16A	Soil	07/31/25	08/04/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS01-1'
E508013-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532033	
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2532056	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
<i>Surrogate: n-Nonane</i>		96.4 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2532044	
Chloride	21.1	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS02-1'

E508013-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		111 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		102 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		111 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		102 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		105 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	27.5	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS03-1'

E508013-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		103 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	466	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS04-1'

E508013-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		101 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		101 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		104 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	ND	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS05-1'

E508013-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		100 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		100 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		103 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	ND	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS06-1'

E508013-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		107 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		107 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		99.7 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	ND	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS07-0'

E508013-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		105 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		105 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		102 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	68.7	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS07-1'

E508013-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		101 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		101 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		103 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	ND	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS10-0'

E508013-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		96.6 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	23.0	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS10-1'

E508013-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		107 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		107 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		101 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	ND	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS12-0'

E508013-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		99.6 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	211	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS12-1'

E508013-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		108 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		98.5 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	78.6	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS16-0'

E508013-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/07/25	
Surrogate: n-Nonane		96.6 %	61-141	08/05/25	08/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	70.7	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS16-1'

E508013-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		106 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		106 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		104 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/08/25	
Surrogate: n-Nonane		97.6 %	61-141	08/05/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	38.6	20.0	1	08/05/25	08/05/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS18-0'

E508013-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		110 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		110 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		103 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/08/25	
Surrogate: n-Nonane		99.0 %	61-141	08/05/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	ND	20.0	1	08/05/25	08/06/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
10/27/2025 2:21:31PM

SS18-1'

E508013-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Benzene	ND	0.0250	1	08/05/25	08/06/25	
Ethylbenzene	ND	0.0250	1	08/05/25	08/06/25	
Toluene	ND	0.0250	1	08/05/25	08/06/25	
o-Xylene	ND	0.0250	1	08/05/25	08/06/25	
p,m-Xylene	ND	0.0500	1	08/05/25	08/06/25	
Total Xylenes	ND	0.0250	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		102 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532033
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/25	08/06/25	
Surrogate: Bromofluorobenzene		109 %	70-130	08/05/25	08/06/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/05/25	08/06/25	
Surrogate: Toluene-d8		102 %	70-130	08/05/25	08/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2532056
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/25	08/08/25	
Surrogate: n-Nonane		102 %	61-141	08/05/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2532044
Chloride	ND	20.0	1	08/05/25	08/06/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 2:21:31PM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532033-BLK1)

Prepared: 08/05/25 Analyzed: 08/06/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS (2532033-BS1)

Prepared: 08/05/25 Analyzed: 08/06/25

Benzene	2.20	0.0250	2.50		88.1	70-130			
Ethylbenzene	2.17	0.0250	2.50		86.6	70-130			
Toluene	2.10	0.0250	2.50		84.1	70-130			
o-Xylene	2.15	0.0250	2.50		86.0	70-130			
p,m-Xylene	4.38	0.0500	5.00		87.5	70-130			
Total Xylenes	6.53	0.0250	7.50		87.0	70-130			
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike (2532033-MS1)

Source: E508013-05

Prepared: 08/05/25 Analyzed: 08/06/25

Benzene	2.48	0.0250	2.50	ND	99.2	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.2	45-135			
Toluene	2.34	0.0250	2.50	ND	93.7	48-130			
o-Xylene	2.43	0.0250	2.50	ND	97.3	43-135			
p,m-Xylene	4.98	0.0500	5.00	ND	99.5	43-135			
Total Xylenes	7.41	0.0250	7.50	ND	98.8	43-135			
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

Matrix Spike Dup (2532033-MSD1)

Source: E508013-05

Prepared: 08/05/25 Analyzed: 08/06/25

Benzene	2.37	0.0250	2.50	ND	94.9	48-131	4.37	23	
Ethylbenzene	2.34	0.0250	2.50	ND	93.7	45-135	3.73	27	
Toluene	2.25	0.0250	2.50	ND	89.8	48-130	4.21	24	
o-Xylene	2.37	0.0250	2.50	ND	94.7	43-135	2.79	27	
p,m-Xylene	4.79	0.0500	5.00	ND	95.8	43-135	3.76	27	
Total Xylenes	7.16	0.0250	7.50	ND	95.5	43-135	3.44	27	
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 2:21:31PM

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 (2532033-BLK1)

Prepared: 08/05/25 Analyzed: 08/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS (2532033-BS2)

Prepared: 08/05/25 Analyzed: 08/06/25

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130			
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

Matrix Spike (2532033-MS2)

Source: E508013-05

Prepared: 08/05/25 Analyzed: 08/06/25

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.3	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike Dup (2532033-MSD2)

Source: E508013-05

Prepared: 08/05/25 Analyzed: 08/06/25

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130	7.09	20	
Surrogate: Bromofluorobenzene	0.563		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 2:21:31PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532056-BLK1)					Prepared: 08/05/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.0		50.0		98.1	61-141			

LCS (2532056-BS1)					Prepared: 08/05/25 Analyzed: 08/07/25				
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144			
Surrogate: n-Nonane	48.3		50.0		96.6	61-141			

Matrix Spike (2532056-MS1)					Source: E508013-13		Prepared: 08/05/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	46.7		50.0		93.4	61-141			

Matrix Spike Dup (2532056-MSD1)					Source: E508013-13		Prepared: 08/05/25 Analyzed: 08/07/25		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156	6.18	20	
Surrogate: n-Nonane	49.9		50.0		99.8	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/2025 2:21:31PM

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 (2532044-BLK1)					Prepared: 08/05/25 Analyzed: 08/05/25				
Chloride	ND	20.0							
LCS (2532044-BS1)					Prepared: 08/05/25 Analyzed: 08/05/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2532044-MS1)					Source: E508043-02		Prepared: 08/05/25 Analyzed: 08/05/25		
Chloride	725	20.0	250	618	42.5	80-120			M2
Matrix Spike Dup (2532044-MSD1)					Source: E508043-02		Prepared: 08/05/25 Analyzed: 08/05/25		
Chloride	910	20.0	250	618	117	80-120	22.7	20	R3

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

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	10/27/25 14:21

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E508013	23003-0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	BEDOC - NM	BEDOC - TX	SDWA	CWA	RCRA
1558	7/31/2025	S	1	SS01 - 1'		1								X				
1600	7/31/2025	S	1	SS02 - 1'		2								X				
1605	7/31/2025	S	1	SS03 - 1'		3								X				
1609	7/31/2025	S	1	SS04 - 1'		4								X				
1613	7/31/2025	S	1	SS05 - 1'		5								X				
1617	7/31/2025	S	1	SS06 - 1'		6								X				
925	7/31/2025	S	1	SS07 - 0'		7								X				
1621	7/31/2025	S	1	SS07 - 1'		8								X				
929	7/31/2025	S	1	SS10 - 0'		9								X				
1641	7/31/2025	S	1	SS10 - 1'		10								X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, imccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																		
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: Jarad McCauley																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
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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.																		

Client Information				Invoice Information		Lab Use Only		TAT		State								
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Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E508013	23008-0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.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	TCEQ 105 - TX	RCRA 8 Metals	BEDOC - NM	BEDOC - TX	SDWA	CWA	RCRA
1211	7/31/2025	S	1	SS12 - 0'		11								X				
1645	7/31/2025	S	1	SS12 - 1'		12								X				
1353	7/31/2025	S	1	SS16 - 0'		13								X				
1627	7/31/2025	S	1	SS16 - 1'		14								X				
1401	7/31/2025	S	1	SS20 - 0'		15								X				
1553	7/31/2025	S	1	SS20 - 1'		16								X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, lgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																		
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Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y/N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
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Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
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Envirotech Analytical Laboratory

Printed: 8/4/2025 8:39:06AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/04/25 07:30	Work Order ID:	E508013
Phone:	(972) 371-5200	Date Logged In:	08/01/25 15:14	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/08/25 07:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



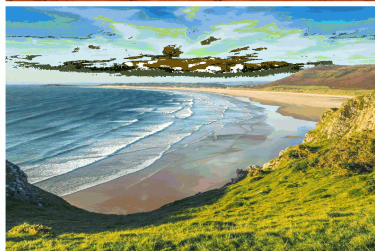
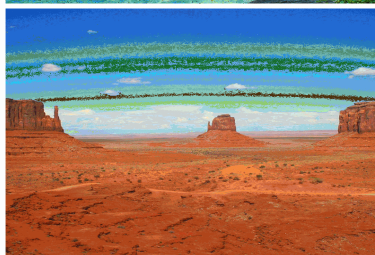
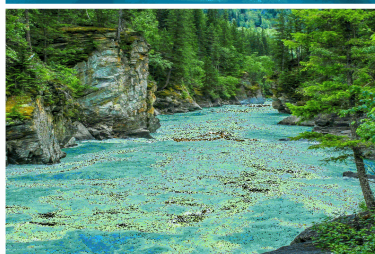
envirotech Inc.

Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Matador Production Company				Company: Ensolum LLC				Lab WO# E508013				Job Number 83003-0002				1D 2D 3D Std X				
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy												NM CO UT TX X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	BCDOC - NM	BCDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1558	7/31/2025	S	1	SS01 - 1'		1								X			4.2			Charged sample
1600	7/31/2025	S	1	SS02 - 1'		2								X			3.7			name per
1605	7/31/2025	S	1	SS03 - 1'		3								X			3.8			client
1609	7/31/2025	S	1	SS04 - 1'		4								X			4.0			for samples
1613	7/31/2025	S	1	SS05 - 1'		5								X			3.6			# 15 3 16
1617	7/31/2025	S	1	SS06 - 1'		6								X			3.8			NS 10-27-25
925	7/31/2025	S	1	SS07 - 0'		7								X			4.4			
1621	7/31/2025	S	1	SS07 - 1'		8								X			4.2			
929	7/31/2025	S	1	SS10 - 0'		9								X			4.0			
1641	7/31/2025	S	1	SS10 - 1'		10								X			4.0			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chameleon@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																				
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Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E508013	23008-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	BODOC - NM	BODOC - TX	SDWA	CWA	RCRA	
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1645	7/31/2025	S	1	SS12 - 1'		12								X					
1353	7/31/2025	S	1	SS16 - 0'		13								X					
1627	7/31/2025	S	1	SS16 - 1'		14								X					
1401	7/31/2025	S	1	SS20 - 0' SS18 - 0'		15								X					
1553	7/31/2025	S	1	SS20 - 1' SS18 - 1'		16								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamlton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com																			
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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
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Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Amoco 1 Federal TB

Work Order: E508073

Job Number: 23003-0002

Received: 8/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/13/25

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: 8/13/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Federal TB
Workorder: E508073
Date Received: 8/7/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2025 8:00:00AM, under the Project Name: Amoco 1 Federal TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Federal TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
08/13/25 16:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-0'	E508073-01A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-0.5'	E508073-02A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-1'	E508073-03A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-2'	E508073-04A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-3'	E508073-05A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-4'	E508073-06A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-5'	E508073-07A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-7'	E508073-08A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-9'	E508073-09A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-11'	E508073-10A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH03-13'	E508073-11A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-0'

E508073-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Benzene	0.867	0.250	10	08/07/25	08/11/25	
Ethylbenzene	19.2	0.250	10	08/07/25	08/11/25	
Toluene	14.0	0.250	10	08/07/25	08/11/25	
o-Xylene	8.27	0.250	10	08/07/25	08/11/25	
p,m-Xylene	18.2	0.500	10	08/07/25	08/11/25	
Total Xylenes	26.5	0.250	10	08/07/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/07/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Gasoline Range Organics (C6-C10)	289	200	10	08/07/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	08/07/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2532138	
Diesel Range Organics (C10-C28)	23700	500	20	08/08/25	08/08/25	
Oil Range Organics (C28-C36)	9610	1000	20	08/08/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		116 %	61-141	08/08/25	08/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532117	
Chloride	13800	200	10	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-0.5'

E508073-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Benzene	ND	1.25	50	08/07/25	08/08/25	
Ethylbenzene	44.9	1.25	50	08/07/25	08/08/25	
Toluene	23.0	1.25	50	08/07/25	08/08/25	
o-Xylene	22.2	1.25	50	08/07/25	08/08/25	
p,m-Xylene	48.3	2.50	50	08/07/25	08/08/25	
Total Xylenes	70.5	1.25	50	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	106 %	70-130		08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Gasoline Range Organics (C6-C10)	1030	1000	50	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532138	
Diesel Range Organics (C10-C28)	14300	500	20	08/08/25	08/08/25	T9
Oil Range Organics (C28-C36)	5070	1000	20	08/08/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
	207 %	61-141		08/08/25	08/08/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532117	
Chloride	188	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-1'

E508073-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Benzene	ND	1.25	50	08/07/25	08/08/25	
Ethylbenzene	63.6	1.25	50	08/07/25	08/08/25	
Toluene	33.6	1.25	50	08/07/25	08/08/25	
o-Xylene	30.2	1.25	50	08/07/25	08/08/25	
p,m-Xylene	66.3	2.50	50	08/07/25	08/08/25	
Total Xylenes	96.5	1.25	50	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	106 %	70-130		08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Gasoline Range Organics (C6-C10)	1430	1000	50	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.2 %	70-130		08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532138	
Diesel Range Organics (C10-C28)	15000	500	20	08/08/25	08/08/25	T9
Oil Range Organics (C28-C36)	4760	1000	20	08/08/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
	243 %	61-141		08/08/25	08/08/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532117	
Chloride	ND	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-2'

E508073-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532106
Benzene	ND	0.0250	1	08/07/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/08/25	
Toluene	ND	0.0250	1	08/07/25	08/08/25	
o-Xylene	ND	0.0250	1	08/07/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.4 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532138
Diesel Range Organics (C10-C28)	171	25.0	1	08/08/25	08/08/25	
Oil Range Organics (C28-C36)	110	50.0	1	08/08/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		95.8 %	61-141	08/08/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532117
Chloride	31.2	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-3'

E508073-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532106
Benzene	ND	0.0250	1	08/07/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/08/25	
Toluene	ND	0.0250	1	08/07/25	08/08/25	
o-Xylene	ND	0.0250	1	08/07/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.0 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2532138
Diesel Range Organics (C10-C28)	43.7	25.0	1	08/08/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		97.5 %	61-141	08/08/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2532117
Chloride	25.2	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-4'

E508073-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Benzene	ND	0.0250	1	08/07/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/08/25	
Toluene	ND	0.0250	1	08/07/25	08/08/25	
o-Xylene	ND	0.0250	1	08/07/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.9 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532138	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	08/08/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532117	
Chloride	40.1	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-5'

E508073-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Benzene	ND	0.0250	1	08/07/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/08/25	
Toluene	ND	0.0250	1	08/07/25	08/08/25	
o-Xylene	ND	0.0250	1	08/07/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.3 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2532138	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/25	08/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/25	08/08/25	
<i>Surrogate: n-Nonane</i>						
		98.7 %	61-141	08/08/25	08/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2532117	
Chloride	84.0	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-7'

E508073-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Benzene	ND	0.0250	1	08/07/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/08/25	
Toluene	ND	0.0250	1	08/07/25	08/08/25	
o-Xylene	ND	0.0250	1	08/07/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.3 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2532138	
Diesel Range Organics (C10-C28)	57.7	25.0	1	08/08/25	08/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/25	08/09/25	
<i>Surrogate: n-Nonane</i>		98.3 %	61-141	08/08/25	08/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532117	
Chloride	2220	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-9'

E508073-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Benzene	ND	0.0250	1	08/07/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/08/25	
Toluene	ND	0.0250	1	08/07/25	08/08/25	
o-Xylene	ND	0.0250	1	08/07/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.4 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2532138	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/25	08/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/25	08/09/25	
<i>Surrogate: n-Nonane</i>		95.0 %	61-141	08/08/25	08/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532117	
Chloride	1800	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-11'

E508073-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Benzene	ND	0.0250	1	08/07/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/08/25	
Toluene	ND	0.0250	1	08/07/25	08/08/25	
o-Xylene	ND	0.0250	1	08/07/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.5 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2532138	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/25	08/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/25	08/09/25	
<i>Surrogate: n-Nonane</i>		95.3 %	61-141	08/08/25	08/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532117	
Chloride	1020	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 4:05:15PM

BH03-13'

E508073-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Benzene	ND	0.0250	1	08/07/25	08/08/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/08/25	
Toluene	ND	0.0250	1	08/07/25	08/08/25	
o-Xylene	ND	0.0250	1	08/07/25	08/08/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/08/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2532106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.6 %	70-130	08/07/25	08/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2532138	
Diesel Range Organics (C10-C28)	29.8	25.0	1	08/08/25	08/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/25	08/09/25	
<i>Surrogate: n-Nonane</i>		93.2 %	61-141	08/08/25	08/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2532117	
Chloride	538	20.0	1	08/07/25	08/08/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 4:05:15PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532106-BLK1)

Prepared: 08/07/25 Analyzed: 08/07/25

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	8.32		8.00		104	70-130			

LCS (2532106-BS1)

Prepared: 08/07/25 Analyzed: 08/07/25

Benzene	5.43	0.0250	5.00		109	70-130			
Ethylbenzene	5.22	0.0250	5.00		104	70-130			
Toluene	5.37	0.0250	5.00		107	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			

Matrix Spike (2532106-MS1)

Source: E508077-01

Prepared: 08/07/25 Analyzed: 08/08/25

Benzene	5.34	0.0250	5.00	ND	107	70-130			
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130			
Toluene	5.28	0.0250	5.00	0.0269	105	70-130			
o-Xylene	5.04	0.0250	5.00	ND	101	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			

Matrix Spike Dup (2532106-MSD1)

Source: E508077-01

Prepared: 08/07/25 Analyzed: 08/08/25

Benzene	5.35	0.0250	5.00	ND	107	70-130	0.150	27	
Ethylbenzene	5.15	0.0250	5.00	ND	103	70-130	0.0379	26	
Toluene	5.29	0.0250	5.00	0.0269	105	70-130	0.248	20	
o-Xylene	5.05	0.0250	5.00	ND	101	70-130	0.296	25	
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130	0.0799	23	
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130	0.151	26	
Surrogate: 4-Bromochlorobenzene-PID	8.29		8.00		104	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 4:05:15PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532106-BLK1) Prepared: 08/07/25 Analyzed: 08/07/25

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

LCS (2532106-BS2) Prepared: 08/07/25 Analyzed: 08/07/25

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.7	70-130			

Matrix Spike (2532106-MS2) Source: E508077-01 Prepared: 08/07/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Matrix Spike Dup (2532106-MSD2) Source: E508077-01 Prepared: 08/07/25 Analyzed: 08/08/25

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130	5.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		97.9	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 4:05:15PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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 (2532138-BLK1)					Prepared: 08/08/25 Analyzed: 08/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		98.9	61-141			

LCS (2532138-BS1)					Prepared: 08/08/25 Analyzed: 08/08/25				
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	51.5		50.0		103	61-141			

Matrix Spike (2532138-MS1)					Source: E508094-01		Prepared: 08/08/25 Analyzed: 08/08/25		
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	51.2		50.0		102	61-141			

Matrix Spike Dup (2532138-MSD1)					Source: E508094-01		Prepared: 08/08/25 Analyzed: 08/08/25		
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156	2.70	20	
Surrogate: n-Nonane	52.3		50.0		105	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/13/2025 4:05:15PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532117-BLK1)					Prepared: 08/07/25 Analyzed: 08/08/25				
Chloride	ND	20.0							
LCS (2532117-BS1)					Prepared: 08/07/25 Analyzed: 08/08/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2532117-MS1)					Source: E508037-03		Prepared: 08/07/25 Analyzed: 08/08/25		
Chloride	1060	20.0	250	796	107	80-120			
Matrix Spike Dup (2532117-MSD1)					Source: E508037-03		Prepared: 08/07/25 Analyzed: 08/08/25		
Chloride	1060	20.0	250	796	104	80-120	0.717	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

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/13/25 16:05

- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T9 DRO includes undifferentiated early eluting analytes characteristic of GRO.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E508073	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1316	8/5/2025	S	1	BH03 - 13'		11								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, lgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																			
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: Jarad McCauley																			
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.													
Michelle Gonzales	8-6-25	0800	Michelle Gonzales	8-6-25	0800														
Michelle Gonzales	8-6-25	1400	Marissa Gonzales	8-6-25	1400														
Marissa Gonzales	8-6-25	1815	Andreya Musso	8-6-25	1815														
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Lab Use Only Received on ice: (Y) N													
Andreya Musso	8-6-25	2200	Caitlynn	8-7-25	800														
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 8/7/2025 10:20:20AM

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:	Matador Resources, LLC.	Date Received:	08/07/25 08:00	Work Order ID:	E508073
Phone:	(972) 371-5200	Date Logged In:	08/06/25 15:23	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/13/25 07:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

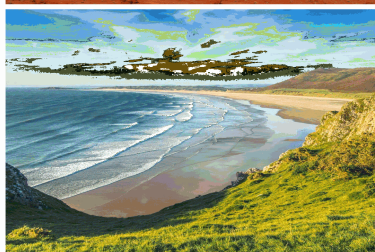
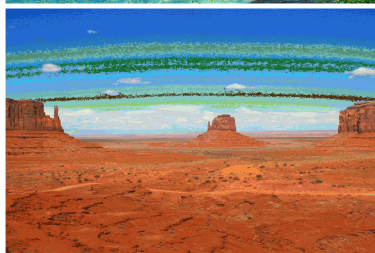
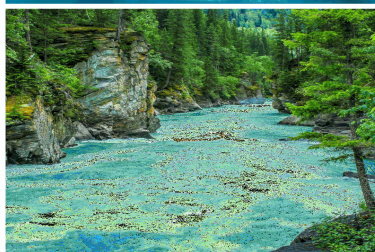
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Amoco 1 Federal TB

Work Order: E508074

Job Number: 23003-0002

Received: 8/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/13/25

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: 8/13/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Federal TB
Workorder: E508074
Date Received: 8/7/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2025 8:00:00AM, under the Project Name: Amoco 1 Federal TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Federal TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/13/25 08:43
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E508074-01A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH01-0.5'	E508074-02A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH01-1'	E508074-03A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH01-2'	E508074-04A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH01-3'	E508074-05A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH02-0'	E508074-06A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH02-0.5'	E508074-07A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH02-1'	E508074-08A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH02-2'	E508074-09A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH02-3'	E508074-10A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH04-0'	E508074-11A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH04-0.5'	E508074-12A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH04-1'	E508074-13A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH04-2'	E508074-14A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH05-0'	E508074-15A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH05-0.5'	E508074-16A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH05-1'	E508074-17A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH05-2'	E508074-18A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH05-3'	E508074-19A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH05-4'	E508074-20A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH05-5'	E508074-21A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH07-0'	E508074-22A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH07-0.5'	E508074-23A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH07-1'	E508074-24A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH07-2'	E508074-25A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.
BH07-3'	E508074-26A	Soil	08/05/25	08/07/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH01-0'

E508074-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/09/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/09/25	
Toluene	ND	0.0250	1	08/07/25	08/09/25	
o-Xylene	0.0303	0.0250	1	08/07/25	08/09/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/09/25	
Total Xylenes	0.0303	0.0250	1	08/07/25	08/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		85.8 %	70-130	08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.3 %	70-130	08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	998	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	843	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>		126 %	61-141	08/11/25	08/11/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	5360	100	5	08/08/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH01-0.5'

E508074-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/09/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/09/25	
Toluene	ND	0.0250	1	08/07/25	08/09/25	
o-Xylene	ND	0.0250	1	08/07/25	08/09/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/09/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.5 %	70-130		08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.3 %	70-130		08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	138	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	212	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	125 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	35.3	20.0	1	08/08/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH01-1'

E508074-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532112
Benzene	ND	0.0250	1	08/07/25	08/09/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/09/25	
Toluene	ND	0.0250	1	08/07/25	08/09/25	
o-Xylene	ND	0.0250	1	08/07/25	08/09/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/09/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.2 %	70-130		08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532112
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2533002
Diesel Range Organics (C10-C28)	158	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	260	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	124 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2532146
Chloride	26.2	20.0	1	08/08/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH01-2'

E508074-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.8 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	37.1	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	88.6	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	ND	20.0	1	08/08/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH01-3'

E508074-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.4 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.9 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	ND	20.0	1	08/08/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH02-0'

E508074-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	2.03	0.250	10	08/07/25	08/11/25	
Ethylbenzene	28.8	0.250	10	08/07/25	08/11/25	
Toluene	28.2	0.250	10	08/07/25	08/11/25	
o-Xylene	11.9	0.250	10	08/07/25	08/11/25	
p,m-Xylene	24.8	0.500	10	08/07/25	08/11/25	
Total Xylenes	36.7	0.250	10	08/07/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		08/07/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	341	200	10	08/07/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		08/07/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	10300	125	5	08/11/25	08/11/25	T9
Oil Range Organics (C28-C36)	2970	250	5	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	388 %	61-141		08/11/25	08/11/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	1380	20.0	1	08/08/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH02-0.5'

E508074-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	0.199	0.125	5	08/07/25	08/10/25	
Ethylbenzene	8.21	0.125	5	08/07/25	08/10/25	
Toluene	5.17	0.125	5	08/07/25	08/10/25	
o-Xylene	3.83	0.125	5	08/07/25	08/10/25	
p,m-Xylene	7.76	0.250	5	08/07/25	08/10/25	
Total Xylenes	11.6	0.125	5	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	106	100	5	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	3300	25.0	1	08/11/25	08/11/25	T9
Oil Range Organics (C28-C36)	1350	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	170 %	61-141		08/11/25	08/11/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	2150	40.0	2	08/08/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH02-1'

E508074-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/11/25	
Ethylbenzene	0.241	0.0250	1	08/07/25	08/11/25	
Toluene	0.215	0.0250	1	08/07/25	08/11/25	
o-Xylene	0.0962	0.0250	1	08/07/25	08/11/25	
p,m-Xylene	0.216	0.0500	1	08/07/25	08/11/25	
Total Xylenes	0.312	0.0250	1	08/07/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.4 %	70-130		08/07/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		08/07/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	3940	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	2760	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	121 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	203	20.0	1	08/08/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH02-2'

E508074-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.1 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.7 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	342	20.0	1	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH02-3'

E508074-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.9 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	344	20.0	1	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH04-0'

E508074-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.1 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	1780	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	959	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	117 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	2420	40.0	2	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH04-0.5'

E508074-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.9 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	26.3	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	83.0	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	ND	20.0	1	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH04-1'

E508074-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.6 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	ND	20.0	1	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH04-2'

E508074-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.3 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	ND	20.0	1	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH05-0'

E508074-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	1.10	0.250	10	08/07/25	08/11/25	
Ethylbenzene	56.7	0.250	10	08/07/25	08/11/25	
Toluene	36.4	0.250	10	08/07/25	08/11/25	
o-Xylene	25.5	0.250	10	08/07/25	08/11/25	
p,m-Xylene	53.8	0.500	10	08/07/25	08/11/25	
Total Xylenes	79.4	0.250	10	08/07/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		08/07/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	963	200	10	08/07/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.4 %	70-130		08/07/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	15100	125	5	08/11/25	08/12/25	T9
Oil Range Organics (C28-C36)	4930	250	5	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	321 %	61-141		08/11/25	08/12/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	2930	40.0	2	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH05-0.5'

E508074-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	1.45	0.125	5	08/07/25	08/10/25	
Ethylbenzene	22.6	0.125	5	08/07/25	08/10/25	
Toluene	17.9	0.125	5	08/07/25	08/10/25	
o-Xylene	9.88	0.125	5	08/07/25	08/10/25	
p,m-Xylene	22.3	0.250	5	08/07/25	08/10/25	
Total Xylenes	32.2	0.125	5	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	404	100	5	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	17900	125	5	08/11/25	08/12/25	T9
Oil Range Organics (C28-C36)	7210	250	5	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	234 %	61-141		08/11/25	08/12/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	2250	40.0	2	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH05-1'

E508074-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	0.324	0.0250	1	08/07/25	08/10/25	
Toluene	0.116	0.0250	1	08/07/25	08/10/25	
o-Xylene	0.213	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	0.377	0.0500	1	08/07/25	08/10/25	
Total Xylenes	0.590	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.5 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	758	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	331	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	417	20.0	1	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH05-2'

E508074-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	0.0381	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.8 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	48.4	20.0	1	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH05-3'

E508074-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.2 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	308	20.0	1	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH05-4'

E508074-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.6 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532112	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533002	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	109 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532146	
Chloride	221	20.0	1	08/08/25	08/09/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH05-5'

E508074-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Benzene	ND	0.0250	1	08/07/25	08/09/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/09/25	
Toluene	ND	0.0250	1	08/07/25	08/09/25	
o-Xylene	ND	0.0250	1	08/07/25	08/09/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/09/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2533003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2532118
Chloride	150	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH07-0'

E508074-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Benzene	ND	0.0250	1	08/07/25	08/09/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/09/25	
Toluene	ND	0.0250	1	08/07/25	08/09/25	
o-Xylene	ND	0.0250	1	08/07/25	08/09/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/09/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2533003
Diesel Range Organics (C10-C28)	30.0	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2532118
Chloride	ND	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH07-0.5'

E508074-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532097	
Benzene	ND	0.0250	1	08/07/25	08/09/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/09/25	
Toluene	ND	0.0250	1	08/07/25	08/09/25	
o-Xylene	ND	0.0250	1	08/07/25	08/09/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/09/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2532097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		08/07/25	08/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2533003	
Diesel Range Organics (C10-C28)	48.6	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	96.3 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2532118	
Chloride	31.0	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH07-1'

E508074-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2533003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	98.0 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2532118
Chloride	76.5	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH07-2'

E508074-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2533003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2532118
Chloride	207	20.0	1	08/07/25	08/08/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/13/2025 8:43:56AM

BH07-3'

E508074-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Benzene	ND	0.0250	1	08/07/25	08/10/25	
Ethylbenzene	ND	0.0250	1	08/07/25	08/10/25	
Toluene	ND	0.0250	1	08/07/25	08/10/25	
o-Xylene	ND	0.0250	1	08/07/25	08/10/25	
p,m-Xylene	ND	0.0500	1	08/07/25	08/10/25	
Total Xylenes	ND	0.0250	1	08/07/25	08/10/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2532097
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/25	08/10/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		08/07/25	08/10/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2533003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	95.6 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2532118
Chloride	135	20.0	1	08/07/25	08/09/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 8:43:56AM

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 (2532097-BLK1)

Prepared: 08/07/25 Analyzed: 08/09/25

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

LCS (2532097-BS1)

Prepared: 08/07/25 Analyzed: 08/09/25

Benzene	5.86	0.0250	5.00		117	70-130			
Ethylbenzene	5.80	0.0250	5.00		116	70-130			
Toluene	5.84	0.0250	5.00		117	70-130			
o-Xylene	5.80	0.0250	5.00		116	70-130			
p,m-Xylene	11.8	0.0500	10.0		118	70-130			
Total Xylenes	17.6	0.0250	15.0		117	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.4	70-130			

Matrix Spike (2532097-MS1)

Source: E508075-01

Prepared: 08/07/25 Analyzed: 08/09/25

Benzene	5.69	0.0250	5.00	ND	114	70-130			
Ethylbenzene	5.62	0.0250	5.00	ND	112	70-130			
Toluene	5.66	0.0250	5.00	ND	113	70-130			
o-Xylene	5.61	0.0250	5.00	ND	112	70-130			
p,m-Xylene	11.4	0.0500	10.0	ND	114	70-130			
Total Xylenes	17.0	0.0250	15.0	ND	113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

Matrix Spike Dup (2532097-MSD1)

Source: E508075-01

Prepared: 08/07/25 Analyzed: 08/09/25

Benzene	6.06	0.0250	5.00	ND	121	70-130	6.22	27	
Ethylbenzene	5.99	0.0250	5.00	ND	120	70-130	6.37	26	
Toluene	6.03	0.0250	5.00	ND	121	70-130	6.33	20	
o-Xylene	5.99	0.0250	5.00	ND	120	70-130	6.56	25	
p,m-Xylene	12.1	0.0500	10.0	ND	121	70-130	6.32	23	
Total Xylenes	18.1	0.0250	15.0	ND	121	70-130	6.40	26	
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 8:43:56AM

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 (2532112-BLK1)

Prepared: 08/07/25 Analyzed: 08/09/25

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	6.76		8.00		84.5	70-130			

LCS (2532112-BS1)

Prepared: 08/07/25 Analyzed: 08/09/25

Benzene	5.14	0.0250	5.00		103	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.6	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.94		8.00		86.7	70-130			

Matrix Spike (2532112-MS1)

Source: E508074-02

Prepared: 08/07/25 Analyzed: 08/11/25

Benzene	5.70	0.0250	5.00	ND	114	70-130			
Ethylbenzene	5.53	0.0250	5.00	ND	111	70-130			
Toluene	5.65	0.0250	5.00	ND	113	70-130			
o-Xylene	5.45	0.0250	5.00	ND	109	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.6	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.90		8.00		86.2	70-130			

Matrix Spike Dup (2532112-MSD1)

Source: E508074-02

Prepared: 08/07/25 Analyzed: 08/11/25

Benzene	5.44	0.0250	5.00	ND	109	70-130	4.64	27	
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130	4.26	26	
Toluene	5.39	0.0250	5.00	ND	108	70-130	4.63	20	
o-Xylene	5.20	0.0250	5.00	ND	104	70-130	4.73	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	4.19	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	4.37	26	
Surrogate: 4-Bromochlorobenzene-PID	6.69		8.00		83.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 8:43:56AM

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 (2532097-BLK1) Prepared: 08/07/25 Analyzed: 08/09/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			

LCS (2532097-BS2) Prepared: 08/07/25 Analyzed: 08/09/25

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.05		8.00		101	70-130			

Matrix Spike (2532097-MS2) Source: E508075-01 Prepared: 08/07/25 Analyzed: 08/09/25

Gasoline Range Organics (C6-C10)	57.1	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.19		8.00		102	70-130			

Matrix Spike Dup (2532097-MSD2) Source: E508075-01 Prepared: 08/07/25 Analyzed: 08/09/25

Gasoline Range Organics (C6-C10)	58.4	20.0	50.0	ND	117	70-130	2.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.7	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 8:43:56AM

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 (2532112-BLK1) Prepared: 08/07/25 Analyzed: 08/09/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			

LCS (2532112-BS2) Prepared: 08/07/25 Analyzed: 08/09/25

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			

Matrix Spike (2532112-MS2) Source: E508074-02 Prepared: 08/07/25 Analyzed: 08/09/25

Gasoline Range Organics (C6-C10)	59.3	20.0	50.0	ND	119	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

Matrix Spike Dup (2532112-MSD2) Source: E508074-02 Prepared: 08/07/25 Analyzed: 08/11/25

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130	8.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 8:43:56AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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 (2533002-BLK1)					Prepared: 08/11/25 Analyzed: 08/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	61-141			

LCS (2533002-BS1)					Prepared: 08/11/25 Analyzed: 08/11/25				
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	51.3		50.0		103	61-141			

Matrix Spike (2533002-MS1)					Source: E508074-02		Prepared: 08/11/25 Analyzed: 08/11/25		
Diesel Range Organics (C10-C28)	432	25.0	250	138	118	56-156			
Surrogate: n-Nonane	60.9		50.0		122	61-141			

Matrix Spike Dup (2533002-MSD1)					Source: E508074-02		Prepared: 08/11/25 Analyzed: 08/11/25		
Diesel Range Organics (C10-C28)	486	25.0	250	138	139	56-156	11.7	20	
Surrogate: n-Nonane	67.5		50.0		135	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 8:43:56AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533003-BLK1)					Prepared: 08/11/25 Analyzed: 08/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.2		50.0		90.5	61-141			

LCS (2533003-BS1)					Prepared: 08/11/25 Analyzed: 08/11/25				
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	47.0		50.0		93.9	61-141			

Matrix Spike (2533003-MS1)					Source: E508075-03		Prepared: 08/11/25 Analyzed: 08/11/25		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	46.4		50.0		92.7	61-141			

Matrix Spike Dup (2533003-MSD1)					Source: E508075-03		Prepared: 08/11/25 Analyzed: 08/11/25		
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156	5.37	20	
Surrogate: n-Nonane	49.8		50.0		99.6	61-141			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/13/2025 8:43:56AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532118-BLK1)					Prepared: 08/07/25 Analyzed: 08/08/25				
Chloride	ND	20.0							
LCS (2532118-BS1)					Prepared: 08/07/25 Analyzed: 08/08/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2532118-MS1)					Source: E508072-02		Prepared: 08/07/25 Analyzed: 08/08/25		
Chloride	454	20.0	250	273	72.2	80-120			M2
Matrix Spike Dup (2532118-MSD1)					Source: E508072-02		Prepared: 08/07/25 Analyzed: 08/08/25		
Chloride	606	20.0	250	273	133	80-120	28.7	20	M2, R3



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/13/2025 8:43:56AM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532146-BLK1)					Prepared: 08/08/25 Analyzed: 08/08/25				
Chloride	ND	20.0							
LCS (2532146-BS1)					Prepared: 08/08/25 Analyzed: 08/08/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2532146-MS1)					Source: E508074-04		Prepared: 08/08/25 Analyzed: 08/08/25		
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2532146-MSD1)					Source: E508074-04		Prepared: 08/08/25 Analyzed: 08/08/25		
Chloride	265	20.0	250	ND	106	80-120	1.03	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

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/13/25 08:43

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T9 DRO includes undifferentiated early eluting analytes characteristic of GRO.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E508074	23008-0002				X	X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	8600C - NM	8600C - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1447	8/5/2025	S	1	BH01 - 0'		1								X			2.0			
1450	8/5/2025	S	1	BH01 - 0.5'		2								X			2.6			
1455	8/5/2025	S	1	BH01 - 1'		3								X			1.2			
1458	8/5/2025	S	1	BH01 - 2'		4								X			1.0			
1501	8/5/2025	S	1	BH01 - 3'		5								X			2.8			
1430	8/5/2025	S	1	BH02 - 0'		6								X			2.4			
1432	8/5/2025	S	1	BH02 - 0.5'		7								X			3.0			
1436	8/5/2025	S	1	BH02 - 1'		8								X			3.0			
1438	8/5/2025	S	1	BH02 - 2'		9								X			2.4			
1442	8/5/2025	S	1	BH02 - 3'		10								X			2.2			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com																				
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: Jarad McCauley																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (X) N								
Michelle Gonzales		8-6-25		0800		Michelle Gonzales		8-6-25		0800										
Marissa Gonzales		8-6-25		1400		Marissa Gonzales		8-6-25		1400										
Andrew Musso		8-6-25		1815		Andrew Musso		8-6-25		1815										
Caitlin Mann		8-6-25		2200		Caitlin Mann		8-7-25		800										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, W - 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.																				

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E508074	23003-0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.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	TEEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1035	8/5/2025	S	1	BH04 - 0'		11								X				
1036	8/5/2025	S	1	BH04 - 0.5'		12								X				
1037	8/5/2025	S	1	BH04 - 1'		13								X				
1039	8/5/2025	S	1	BH04 - 2'		14								X				
924	8/5/2025	S	1	BH05 - 0'		15								X				
925	8/5/2025	S	1	BH05 - 0.5'		16								X				
926	8/5/2025	S	1	BH05 - 1'		17								X				
928	8/5/2025	S	1	BH05 - 2'		18								X				
930	8/5/2025	S	1	BH05 - 3'		19								X				
932	8/5/2025	S	1	BH05 - 4'		20								X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com																		
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: Jarad McCauley																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (Y) N						
Michelle Gonzales		8/6/25		0800		Michelle Gonzales		8-6-25		0800								
Michelle Gonzales		8-6-25		1400		Marissa Gonzales		8-6-25		1400								
Marissa Gonzales		8-6-25		1815		Andrew Musso		8-6-25		1815								
Andrew Musso		8-6-25		2200		Caitlin Mann		8-7-25		800								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E308014	23003002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BEDOC - NM	BEDOC - TX	SDWA	CWA	RCRA	
934	8/5/2025	S	1	BH05 - 5'		21								X					
1504	8/5/2025	S	1	BH07 - 0'		22								X					
1505	8/5/2025	S	1	BH07 - 0.5'		23								X					
1507	8/5/2025	S	1	BH07 - 1'		24								X					
1509	8/5/2025	S	1	BH07 - 2'		25								X					
1521	8/5/2025	S	1	BH07 - 3'		26								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com																			
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: Jarad McCauley																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.													
Michelle Gonzalez	8-6-25	0800	Michelle Gonzalez	8-6-25	0800														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Marissa Gonzalez	8-6-25	1400	Marissa Gonzalez	8-6-25	1400														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Marissa Gonzalez	8-6-25	1815	Andrew Musso	8-6-25	1815	Lab Use Only Received on ice: ☒ Y ☐ N													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Andrew Musso	8-6-25	2200	Chittly Man	8-7-25	800														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 8/7/2025 10:22:52AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/07/25 08:00	Work Order ID:	E508074
Phone:	(972) 371-5200	Date Logged In:	08/06/25 15:27	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	08/13/25 07:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

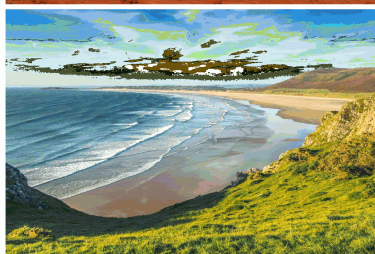
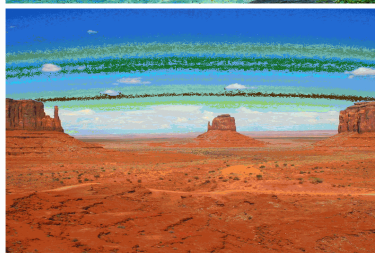
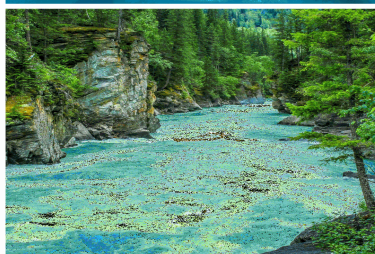
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Amoco 1 Federal TB

Work Order: E508088

Job Number: 23003-0002

Received: 8/8/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/14/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 8/14/25

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Federal TB
Workorder: E508088
Date Received: 8/8/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/8/2025 8:00:00AM, under the Project Name: Amoco 1 Federal TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Federal TB 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

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/14/25 09:39
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06-0'	E508088-01A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH06-0.5'	E508088-02A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH06-1'	E508088-03A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH06-2'	E508088-04A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH06-3'	E508088-05A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH06-4'	E508088-06A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH06-5'	E508088-07A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH06-6'	E508088-08A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH08-0'	E508088-09A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH08-0.5'	E508088-10A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH08-1'	E508088-11A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH08-2'	E508088-12A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH08-3'	E508088-13A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
BH08-4'	E508088-14A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
SS14-0'	E508088-15A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
SS14-1'	E508088-16A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
SS17-0'	E508088-17A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.
SS17-1'	E508088-18A	Soil	08/06/25	08/08/25	Glass Jar, 2 oz.



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH06-0'

E508088-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	2.67	0.500	20	08/08/25	08/11/25	
Ethylbenzene	39.9	0.500	20	08/08/25	08/11/25	
Toluene	39.1	0.500	20	08/08/25	08/11/25	
o-Xylene	16.5	0.500	20	08/08/25	08/11/25	
p,m-Xylene	37.8	1.00	20	08/08/25	08/11/25	
Total Xylenes	54.3	0.500	20	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	656	400	20	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.1 %	70-130	08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	23400	500	20	08/11/25	08/11/25	T9
Oil Range Organics (C28-C36)	6750	1000	20	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
		282 %	61-141	08/11/25	08/11/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	2160	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH06-0.5'

E508088-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	8.65	0.500	20	08/08/25	08/11/25	
Ethylbenzene	84.7	0.500	20	08/08/25	08/11/25	
Toluene	118	0.500	20	08/08/25	08/11/25	
o-Xylene	31.2	0.500	20	08/08/25	08/11/25	
p,m-Xylene	69.8	1.00	20	08/08/25	08/11/25	
Total Xylenes	101	0.500	20	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	1260	400	20	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	11800	500	20	08/11/25	08/11/25	T9
Oil Range Organics (C28-C36)	3300	1000	20	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	337 %	61-141		08/11/25	08/11/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	222	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH06-1'

E508088-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	0.425	0.0250	1	08/08/25	08/11/25	
Toluene	0.355	0.0250	1	08/08/25	08/11/25	
o-Xylene	0.220	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	0.497	0.0500	1	08/08/25	08/11/25	
Total Xylenes	0.716	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	682	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	215	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	88.3	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH06-2'

E508088-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	0.0253	0.0250	1	08/08/25	08/11/25	
Toluene	0.0253	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	191	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	102	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	272	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH06-3'

E508088-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	40.1	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	148	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH06-4'

E508088-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	0.0324	0.0250	1	08/08/25	08/11/25	
Toluene	0.0615	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	51.9	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	83.5	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH06-5'

E508088-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	30.8	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	135	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH06-6'

E508088-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	36.0	25.0	1	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	495	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH08-0'

E508088-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	5390	500	20	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	2880	1000	20	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	328	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH08-0.5'

E508088-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	3620	500	20	08/11/25	08/11/25	
Oil Range Organics (C28-C36)	2180	1000	20	08/11/25	08/11/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		08/11/25	08/11/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	156	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH08-1'

E508088-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	2020	500	20	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	1610	1000	20	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	111 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	137	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH08-2'

E508088-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	216	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	174	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	115 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	252	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH08-3'

E508088-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532145
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2532145
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2533009
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2533013
Chloride	253	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

BH08-4'

E508088-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	116 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	424	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

SS14-0'

E508088-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	ND	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

SS14-1'

E508088-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	116 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	28.8	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

SS17-0'

E508088-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	0.0426	0.0250	1	08/08/25	08/11/25	
Toluene	0.113	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	ND	20.0	1	08/11/25	08/11/25	



Sample Data

Matador Resources, LLC.
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
8/14/2025 9:39:18AM

SS17-1'

E508088-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Benzene	ND	0.0250	1	08/08/25	08/11/25	
Ethylbenzene	ND	0.0250	1	08/08/25	08/11/25	
Toluene	ND	0.0250	1	08/08/25	08/11/25	
o-Xylene	ND	0.0250	1	08/08/25	08/11/25	
p,m-Xylene	ND	0.0500	1	08/08/25	08/11/25	
Total Xylenes	ND	0.0250	1	08/08/25	08/11/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2532145	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/08/25	08/11/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		08/08/25	08/11/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: HM		Batch: 2533009	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/11/25	08/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/11/25	08/12/25	
<i>Surrogate: n-Nonane</i>						
	121 %	61-141		08/11/25	08/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2533013	
Chloride	ND	20.0	1	08/11/25	08/11/25	



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/14/2025 9:39:18AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532145-BLK1)

Prepared: 08/08/25 Analyzed: 08/11/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.73		8.00		96.6	70-130			

LCS (2532145-BS1)

Prepared: 08/08/25 Analyzed: 08/11/25

Benzene	5.58	0.0250	5.00		112	70-130			
Ethylbenzene	5.38	0.0250	5.00		108	70-130			
Toluene	5.51	0.0250	5.00		110	70-130			
o-Xylene	5.27	0.0250	5.00		105	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			

Matrix Spike (2532145-MS1)

Source: E508088-15

Prepared: 08/08/25 Analyzed: 08/11/25

Benzene	5.97	0.0250	5.00	ND	119	70-130			
Ethylbenzene	5.76	0.0250	5.00	ND	115	70-130			
Toluene	5.90	0.0250	5.00	ND	118	70-130			
o-Xylene	5.64	0.0250	5.00	ND	113	70-130			
p,m-Xylene	11.6	0.0500	10.0	ND	116	70-130			
Total Xylenes	17.2	0.0250	15.0	ND	115	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.3	70-130			

Matrix Spike Dup (2532145-MSD1)

Source: E508088-15

Prepared: 08/08/25 Analyzed: 08/11/25

Benzene	5.79	0.0250	5.00	ND	116	70-130	3.15	27	
Ethylbenzene	5.60	0.0250	5.00	ND	112	70-130	2.74	26	
Toluene	5.72	0.0250	5.00	ND	114	70-130	2.99	20	
o-Xylene	5.50	0.0250	5.00	ND	110	70-130	2.67	25	
p,m-Xylene	11.3	0.0500	10.0	ND	113	70-130	2.54	23	
Total Xylenes	16.8	0.0250	15.0	ND	112	70-130	2.58	26	
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/14/2025 9:39:18AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2532145-BLK1) Prepared: 08/08/25 Analyzed: 08/11/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

LCS (2532145-BS2) Prepared: 08/08/25 Analyzed: 08/11/25

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			

Matrix Spike (2532145-MS2) Source: E508088-15 Prepared: 08/08/25 Analyzed: 08/11/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

Matrix Spike Dup (2532145-MSD2) Source: E508088-15 Prepared: 08/08/25 Analyzed: 08/11/25

Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	2.13	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			



QC Summary Data

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/14/2025 9:39:18AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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 (2533009-BLK1)					Prepared: 08/11/25 Analyzed: 08/11/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.9		50.0		104	61-141			

LCS (2533009-BS1)					Prepared: 08/11/25 Analyzed: 08/11/25				
Diesel Range Organics (C10-C28)	276	25.0	250		110	66-144			
Surrogate: n-Nonane	54.1		50.0		108	61-141			

Matrix Spike (2533009-MS1)					Source: E508088-06		Prepared: 08/11/25 Analyzed: 08/11/25		
Diesel Range Organics (C10-C28)	322	25.0	250	51.9	108	56-156			
Surrogate: n-Nonane	55.1		50.0		110	61-141			

Matrix Spike Dup (2533009-MSD1)					Source: E508088-06		Prepared: 08/11/25 Analyzed: 08/11/25		
Diesel Range Organics (C10-C28)	339	25.0	250	51.9	115	56-156	5.14	20	
Surrogate: n-Nonane	57.1		50.0		114	61-141			



QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/14/2025 9:39:18AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2533013-BLK1)					Prepared: 08/11/25 Analyzed: 08/11/25				
Chloride	ND	20.0							
LCS (2533013-BS1)					Prepared: 08/11/25 Analyzed: 08/11/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2533013-MS1)					Source: E508088-08		Prepared: 08/11/25 Analyzed: 08/11/25		
Chloride	766	20.0	250	495	108	80-120			
Matrix Spike Dup (2533013-MSD1)					Source: E508088-08		Prepared: 08/11/25 Analyzed: 08/11/25		
Chloride	753	20.0	250	495	103	80-120	1.71	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

Matador Resources, LLC.	Project Name:	Amoco 1 Federal TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/14/25 09:39

- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T9 DRO includes undifferentiated early eluting analytes characteristic of GRO.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E508088	2303002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
918	8/6/2025	S	1	BH06 - 0'		1								X		4.8		
921	8/6/2025	S	1	BH06 - 0.5'		2								X		4.5		
923	8/6/2025	S	1	BH06 - 1'		3								X		4.2		
925	8/6/2025	S	1	BH06 - 2'		4								X		3.8		
926	8/6/2025	S	1	BH06 - 3'		5								X		4.1		
929	8/6/2025	S	1	BH06 - 4'		6								X		4.0		
1012	8/6/2025	S	1	BH06 - 5'		7								X		4.4		
1107	8/6/2025	S	1	BH06 - 6'		8								X		3.6		
1209	8/6/2025	S	1	BH08 - 0'		9								X		4.2		
1211	8/6/2025	S	1	BH08 - 0.5'		10								X		4.0		
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																		
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: Jarad McCauley																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ N										
Michelle Gonzales		8/6-25	0800	Michelle Gonzales		8-7-25	0800											
Michelle Gonzales		8-7-25	1245	Marissa Gonzales		8-7-25	1245											
Marissa Gonzales		8-7-25	1100	Andrew Musso		8.7.25	1600											
Andrew Musso		8.7.25	2000	Caitlin Mann		8.8.25	800											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E508088		Job Number 2302-002		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy										X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1212	8/6/2025	S	1	BH08 - 1'		11								X		4.2		
1214	8/6/2025	S	1	BH08 - 2'		12								X		4.4		
1216	8/6/2025	S	1	BH08 - 3'		13								X		4.0		
1219	8/6/2025	S	1	BH08 - 4'		14								X		3.8		
1221	8/6/2025	S	1	SS14 - 0'		15								X		3.8		
1258	8/6/2025	S	1	SS14 - 1'		16								X		4.1		
902	8/6/2025	S	1	SS17 - 0'		17								X		4.2		
1147	8/6/2025	S	1	SS17 - 1'		18								X		4.1		
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																		
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: Jarad McCauley																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N						
Michelle Gonzales		8-7-25		0800		Michelle Gonzales		8-7-25		0800								
Michelle Gonzales		8-7-25		1245		Michelle Gonzales		8-7-25		1245								
Michelle Gonzales		8-7-25		1600		Andrew Musso		8.7.25		1600								
Andrew Musso		8.7.25		2000		Cathy Man		8-8-25		800								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 8/8/2025 10:51:29AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Matador Resources, LLC.	Date Received:	08/08/25 08:00	Work Order ID:	E508088
Phone:	(972) 371-5200	Date Logged In:	08/07/25 16:02	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	08/14/25 07:00 (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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

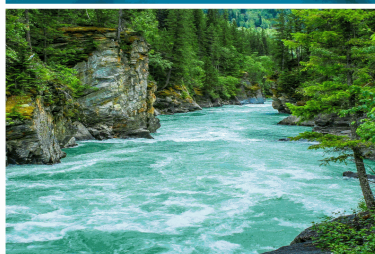
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Amoco 1 Fed TB

Work Order: E603110

Job Number: 23003-0002

Received: 3/12/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/17/26

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: 3/17/26

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Fed TB
Workorder: E603110
Date Received: 3/12/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/12/2026 8:00:00AM, under the Project Name: Amoco 1 Fed TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Fed TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/17/26 10:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS24-1'	E603110-01A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/17/2026 10:50:30AM

FS24-1'

E603110-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2611139	
Benzene	ND	0.0250	1	03/12/26	03/13/26	
Ethylbenzene	ND	0.0250	1	03/12/26	03/13/26	
Toluene	ND	0.0250	1	03/12/26	03/13/26	
o-Xylene	ND	0.0250	1	03/12/26	03/13/26	
p,m-Xylene	ND	0.0500	1	03/12/26	03/13/26	
Total Xylenes	ND	0.0250	1	03/12/26	03/13/26	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/12/26	03/13/26	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	03/12/26	03/13/26	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/12/26	03/13/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2611139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/13/26	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/12/26	03/13/26	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	03/12/26	03/13/26	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/12/26	03/13/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2611162	
Diesel Range Organics (C10-C28)	121	25.0	1	03/13/26	03/13/26	
Oil Range Organics (C28-C36)	57.2	50.0	1	03/13/26	03/13/26	
<i>Surrogate: n-Nonane</i>		91.4 %	61-141	03/13/26	03/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2611173	
Chloride	42.1	20.0	1	03/13/26	03/13/26	



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/17/2026 10:50:30AM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2611139-BLK1)

Prepared: 03/12/26 Analyzed: 03/13/26

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	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2611139-BS1)

Prepared: 03/12/26 Analyzed: 03/13/26

Benzene	2.08	0.0250	2.50		83.1	70-130			
Ethylbenzene	2.16	0.0250	2.50		86.5	70-130			
Toluene	2.18	0.0250	2.50		87.2	70-130			
o-Xylene	2.24	0.0250	2.50		89.5	70-130			
p,m-Xylene	4.41	0.0500	5.00		88.1	70-130			
Total Xylenes	6.65	0.0250	7.50		88.6	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

Matrix Spike (2611139-MS1)

Source: E603116-04

Prepared: 03/12/26 Analyzed: 03/13/26

Benzene	2.25	0.0250	2.50	ND	89.9	48-131			
Ethylbenzene	2.28	0.0250	2.50	ND	91.2	45-135			
Toluene	2.29	0.0250	2.50	ND	91.4	48-130			
o-Xylene	2.26	0.0250	2.50	ND	90.6	43-135			
p,m-Xylene	4.55	0.0500	5.00	ND	91.0	43-135			
Total Xylenes	6.81	0.0250	7.50	ND	90.8	43-135			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2611139-MSD1)

Source: E603116-04

Prepared: 03/12/26 Analyzed: 03/13/26

Benzene	2.31	0.0250	2.50	ND	92.5	48-131	2.87	23	
Ethylbenzene	2.33	0.0250	2.50	ND	93.2	45-135	2.10	27	
Toluene	2.33	0.0250	2.50	ND	93.0	48-130	1.76	24	
o-Xylene	2.47	0.0250	2.50	ND	98.7	43-135	8.64	27	
p,m-Xylene	4.86	0.0500	5.00	ND	97.2	43-135	6.58	27	
Total Xylenes	7.33	0.0250	7.50	ND	97.7	43-135	7.27	27	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/17/2026 10:50:30AM

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 (2611139-BLK1) Prepared: 03/12/26 Analyzed: 03/13/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2611139-BS2) Prepared: 03/12/26 Analyzed: 03/13/26

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2611139-MS2) Source: E603116-04 Prepared: 03/12/26 Analyzed: 03/13/26

Gasoline Range Organics (C6-C10)	59.8	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

Matrix Spike Dup (2611139-MSD2) Source: E603116-04 Prepared: 03/12/26 Analyzed: 03/13/26

Gasoline Range Organics (C6-C10)	59.4	20.0	50.0	ND	119	70-130	0.634	20	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/17/2026 10:50:30AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: CJB

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 (2611162-BLK1)

Prepared: 03/13/26 Analyzed: 03/13/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.4		50.0		88.9	61-141			

LCS (2611162-BS1)

Prepared: 03/13/26 Analyzed: 03/13/26

Diesel Range Organics (C10-C28)	241	25.0	250		96.3	66-144			
Surrogate: n-Nonane	45.7		50.0		91.4	61-141			

Matrix Spike (2611162-MS1)

Source: E603105-25 Prepared: 03/13/26 Analyzed: 03/13/26

Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.0	56-156			
Surrogate: n-Nonane	44.4		50.0		88.8	61-141			

Matrix Spike Dup (2611162-MSD1)

Source: E603105-25 Prepared: 03/13/26 Analyzed: 03/13/26

Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	56-156	3.07	20	
Surrogate: n-Nonane	46.1		50.0		92.3	61-141			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/17/2026 10:50:30AM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2611173-BLK1)					Prepared: 03/13/26 Analyzed: 03/13/26				
Chloride	ND	20.0							
LCS (2611173-BS1)					Prepared: 03/13/26 Analyzed: 03/13/26				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2611173-MS1)					Source: E603105-24		Prepared: 03/13/26 Analyzed: 03/13/26		
Chloride	266	20.0	250	ND	106	80-120			
Matrix Spike Dup (2611173-MSD1)					Source: E603105-24		Prepared: 03/13/26 Analyzed: 03/13/26		
Chloride	267	20.0	250	ND	107	80-120	0.178	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

Matador Production Company	Project Name:	Amoco 1 Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/17/26 10:50

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco #1 Fed TB				Address: 3122 National Parks Hwy		E603/110	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1227	3/10/2026	S	1	FS24 - 1'		1								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																			
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: Jarad McCauley																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ N													
Michelle Gonzales	3-11-26	16:00	Michelle Gonzales	3-11-26	0711														
Michelle Gonzales	3-11-26	1515	Marissa Gonzales	3-11-26	1515														
Marissa Gonzales	3-11-26	1910	Johnny Archuleta	3-11-26	1910														
Johnny Archuleta	3-11-26	2230	Carth Man	3-12-26	800														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 3/12/2026 10:13:59AM

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:	Matador Production Company	Date Received:	03/12/26 08:00	Work Order ID:	E603110
Phone:	(972) 371-5200	Date Logged In:	03/11/26 15:54	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	03/18/26 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

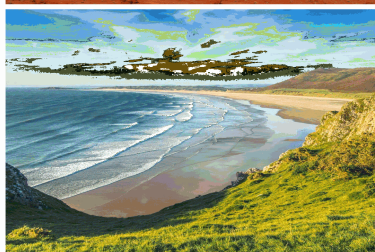
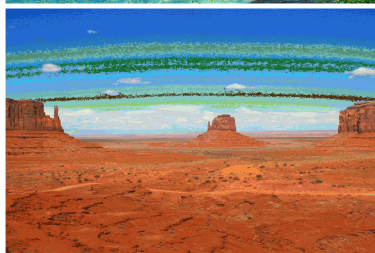
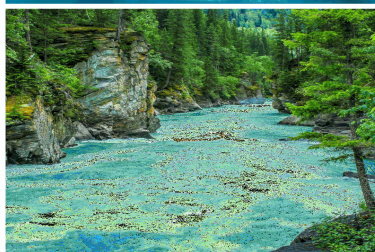
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Amoco 1 Fed TB

Work Order: E603117

Job Number: 23003-0002

Received: 3/12/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/18/26

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: 3/18/26

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Fed TB
Workorder: E603117
Date Received: 3/12/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/12/2026 8:00:00AM, under the Project Name: Amoco 1 Fed TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Fed TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/18/26 13:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS23-1'	E603117-01A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.
FS25-1'	E603117-02A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.
FS26-1'	E603117-03A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.
FS27-1'	E603117-04A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.
FS28-1'	E603117-05A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.
FS29-1'	E603117-06A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.
SW10-0-1'	E603117-07A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/18/2026 1:25:51PM

FS23-1'

E603117-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2611141
Benzene	ND	0.0250	1	03/12/26	03/16/26	
Ethylbenzene	0.0339	0.0250	1	03/12/26	03/16/26	
Toluene	0.0693	0.0250	1	03/12/26	03/16/26	
o-Xylene	0.0486	0.0250	1	03/12/26	03/16/26	
p,m-Xylene	0.201	0.0500	1	03/12/26	03/16/26	
Total Xylenes	0.250	0.0250	1	03/12/26	03/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2611141
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2612002
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/26	03/15/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/26	03/15/26	
<i>Surrogate: n-Nonane</i>		106 %	61-141	03/15/26	03/15/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2611178
Chloride	98.6	20.0	1	03/13/26	03/14/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/18/2026 1:25:51PM

FS25-1'

E603117-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Benzene	ND	0.0250	1	03/12/26	03/16/26	
Ethylbenzene	ND	0.0250	1	03/12/26	03/16/26	
Toluene	ND	0.0250	1	03/12/26	03/16/26	
o-Xylene	ND	0.0250	1	03/12/26	03/16/26	
p,m-Xylene	ND	0.0500	1	03/12/26	03/16/26	
Total Xylenes	ND	0.0250	1	03/12/26	03/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2612002	
Diesel Range Organics (C10-C28)	162	25.0	1	03/15/26	03/15/26	
Oil Range Organics (C28-C36)	69.2	50.0	1	03/15/26	03/15/26	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		03/15/26	03/15/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2611178	
Chloride	82.2	20.0	1	03/13/26	03/14/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/18/2026 1:25:51PM

FS26-1'

E603117-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Benzene	ND	0.0250	1	03/12/26	03/16/26	
Ethylbenzene	ND	0.0250	1	03/12/26	03/16/26	
Toluene	ND	0.0250	1	03/12/26	03/16/26	
o-Xylene	ND	0.0250	1	03/12/26	03/16/26	
p,m-Xylene	ND	0.0500	1	03/12/26	03/16/26	
Total Xylenes	ND	0.0250	1	03/12/26	03/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2612002	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/26	03/15/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/26	03/15/26	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		03/15/26	03/15/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2611178	
Chloride	253	20.0	1	03/13/26	03/14/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/18/2026 1:25:51PM

FS27-1'

E603117-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Benzene	ND	0.0250	1	03/12/26	03/16/26	
Ethylbenzene	ND	0.0250	1	03/12/26	03/16/26	
Toluene	ND	0.0250	1	03/12/26	03/16/26	
o-Xylene	ND	0.0250	1	03/12/26	03/16/26	
p,m-Xylene	ND	0.0500	1	03/12/26	03/16/26	
Total Xylenes	ND	0.0250	1	03/12/26	03/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.3 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.2 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612002	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/26	03/15/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/26	03/15/26	
<i>Surrogate: n-Nonane</i>	108 %	61-141		03/15/26	03/15/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2611178	
Chloride	240	20.0	1	03/13/26	03/14/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/18/2026 1:25:51PM

FS28-1'

E603117-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Benzene	ND	0.0250	1	03/12/26	03/16/26	
Ethylbenzene	ND	0.0250	1	03/12/26	03/16/26	
Toluene	ND	0.0250	1	03/12/26	03/16/26	
o-Xylene	ND	0.0250	1	03/12/26	03/16/26	
p,m-Xylene	ND	0.0500	1	03/12/26	03/16/26	
Total Xylenes	ND	0.0250	1	03/12/26	03/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.0 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.2 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612002	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/26	03/15/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/26	03/15/26	
<i>Surrogate: n-Nonane</i>	102 %	61-141		03/15/26	03/15/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2611178	
Chloride	44.4	20.0	1	03/13/26	03/14/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/18/2026 1:25:51PM

FS29-1'

E603117-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2611141
Benzene	ND	0.0250	1	03/12/26	03/16/26	
Ethylbenzene	ND	0.0250	1	03/12/26	03/16/26	
Toluene	ND	0.0250	1	03/12/26	03/16/26	
o-Xylene	ND	0.0250	1	03/12/26	03/16/26	
p,m-Xylene	ND	0.0500	1	03/12/26	03/16/26	
Total Xylenes	ND	0.0250	1	03/12/26	03/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2611141
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2612002
Diesel Range Organics (C10-C28)	71.9	25.0	1	03/15/26	03/15/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/26	03/15/26	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		03/15/26	03/15/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2611178
Chloride	162	20.0	1	03/13/26	03/14/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/18/2026 1:25:51PM

SW10-0-1'

E603117-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Benzene	ND	0.0250	1	03/12/26	03/16/26	
Ethylbenzene	ND	0.0250	1	03/12/26	03/16/26	
Toluene	ND	0.0250	1	03/12/26	03/16/26	
o-Xylene	ND	0.0250	1	03/12/26	03/16/26	
p,m-Xylene	ND	0.0500	1	03/12/26	03/16/26	
Total Xylenes	ND	0.0250	1	03/12/26	03/16/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.3 %	70-130	03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2611141	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/16/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	03/12/26	03/16/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612002	
Diesel Range Organics (C10-C28)	151	25.0	1	03/15/26	03/15/26	
Oil Range Organics (C28-C36)	149	50.0	1	03/15/26	03/15/26	
<i>Surrogate: n-Nonane</i>		113 %	61-141	03/15/26	03/15/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2611178	
Chloride	919	20.0	1	03/13/26	03/14/26	



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/18/2026 1:25:51PM

Volatile Organics by EPA 8021B

Analyst: MB

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 (2611141-BLK1)

Prepared: 03/12/26 Analyzed: 03/16/26

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	7.77		8.00		97.2	70-130			

LCS (2611141-BS1)

Prepared: 03/12/26 Analyzed: 03/17/26

Benzene	4.75	0.0250	5.00		94.9	70-130			
Ethylbenzene	4.48	0.0250	5.00		89.5	70-130			
Toluene	4.67	0.0250	5.00		93.5	70-130			
o-Xylene	4.58	0.0250	5.00		91.6	70-130			
p,m-Xylene	9.18	0.0500	10.0		91.8	70-130			
Total Xylenes	13.8	0.0250	15.0		91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.3	70-130			

Matrix Spike (2611141-MS1)

Source: E603122-04

Prepared: 03/12/26 Analyzed: 03/17/26

Benzene	246	1.25	250	5.48	96.1	70-130			
Ethylbenzene	264	1.25	250	42.0	88.7	70-130			
Toluene	363	1.25	250	144	87.7	70-130			
o-Xylene	321	1.25	250	92.2	91.7	70-130			
p,m-Xylene	787	2.50	500	375	82.2	70-130			
Total Xylenes	1110	1.25	750	468	85.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	377		400		94.3	70-130			

Matrix Spike Dup (2611141-MSD1)

Source: E603122-04

Prepared: 03/12/26 Analyzed: 03/17/26

Benzene	246	1.25	250	5.48	96.1	70-130	0.0305	27	
Ethylbenzene	262	1.25	250	42.0	88.2	70-130	0.541	26	
Toluene	349	1.25	250	144	81.9	70-130	4.02	20	
o-Xylene	314	1.25	250	92.2	88.9	70-130	2.21	25	
p,m-Xylene	757	2.50	500	375	76.3	70-130	3.82	23	
Total Xylenes	1070	1.25	750	468	80.5	70-130	3.35	26	
Surrogate: 4-Bromochlorobenzene-PID	385		400		96.3	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/18/2026 1:25:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

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 (2611141-BLK1) Prepared: 03/12/26 Analyzed: 03/16/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

LCS (2611141-BS2) Prepared: 03/12/26 Analyzed: 03/17/26

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

Matrix Spike (2611141-MS2) Source: E603122-04 Prepared: 03/12/26 Analyzed: 03/17/26

Gasoline Range Organics (C6-C10)	7880	1000	2500	4800	123	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	418		400		104	70-130			

Matrix Spike Dup (2611141-MSD2) Source: E603122-04 Prepared: 03/12/26 Analyzed: 03/17/26

Gasoline Range Organics (C6-C10)	7440	1000	2500	4800	105	70-130	5.84	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	394		400		98.6	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/18/2026 1:25:51PM

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 (2612002-BLK1)					Prepared: 03/15/26 Analyzed: 03/15/26				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	61-141			

LCS (2612002-BS1)					Prepared: 03/15/26 Analyzed: 03/15/26				
Diesel Range Organics (C10-C28)	268	25.0	250		107	66-144			
Surrogate: n-Nonane	52.4		50.0		105	61-141			

Matrix Spike (2612002-MS1)					Source: E603153-05		Prepared: 03/15/26 Analyzed: 03/15/26		
Diesel Range Organics (C10-C28)	311	25.0	250	58.6	101	56-156			
Surrogate: n-Nonane	52.0		50.0		104	61-141			

Matrix Spike Dup (2612002-MSD1)					Source: E603153-05		Prepared: 03/15/26 Analyzed: 03/15/26		
Diesel Range Organics (C10-C28)	309	25.0	250	58.6	100	56-156	0.640	20	
Surrogate: n-Nonane	52.2		50.0		104	61-141			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/18/2026 1:25:51PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2611178-BLK1)					Prepared: 03/13/26 Analyzed: 03/14/26				
Chloride	ND	20.0							
LCS (2611178-BS1)					Prepared: 03/13/26 Analyzed: 03/14/26				
Chloride	248	20.0	250		99.0	90-110			
Matrix Spike (2611178-MS1)					Source: E603116-03		Prepared: 03/13/26 Analyzed: 03/14/26		
Chloride	271	20.0	250	24.1	98.9	80-120			
Matrix Spike Dup (2611178-MSD1)					Source: E603116-03		Prepared: 03/13/26 Analyzed: 03/14/26		
Chloride	273	20.0	250	24.1	99.4	80-120	0.453	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

Matador Production Company	Project Name:	Amoco 1 Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/18/26 13:25

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information Client: Matador Production Company Project Name: Amoco #1 Fed TB Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com				Invoice Information Company: Ensolum LLC Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous:				Lab Use Only Lab WO# E1003117 Job Number 23003-0002				TAT 1D 2D 3D Std X				State NM CO UT TX X			
Analysis and Method												EPA Program							
DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Chloride 300.0 TCEQ 1005 - TX RCRA 8 Metals BGDOC - NM BGDOC - TX												SDWA CWA RCRA Compliance Y or N PWSID #							
Sample Information												Sample Temp Remarks							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number													
1225	3/10/2026	S	1	FS23 - 1'		1								X		2.0			
1229	3/10/2026	S	1	FS25 - 1'		2								X		1.8			
1230	3/10/2026	S	1	FS26 - 1'		3								X		2.4			
1231	3/10/2026	S	1	FS27 - 1'		4								X		2.2			
1232	3/10/2026	S	1	FS28 - 1'		5								X		2.6			
1233	3/10/2026	S	1	FS29 - 1'		6								X		2.2			
1235	3/10/2026	S	1	SW10 - 0 - 1'		7								X		2.8			

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com

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: Jarad McCauley

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N
<i>Jarad McCauley</i>	03-10-26	16:00	<i>Michelle Gonzales</i>	3-11-26	0711	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Michelle Gonzales</i>	3-11-26	1515	<i>Marissa Gonzales</i>	3-11-26	1515	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Marissa Gonzales</i>	3-11-26	1910	<i>Johnny Archuleta</i>	3-11-26	1910	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>Johnny Archuleta</i>	3-11-26	2230	<i>Carth Man</i>	3-12-26	800	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 3/16/2026 1:26:08PM

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:	Matador Production Company	Date Received:	03/12/26 08:00	Work Order ID:	E603117
Phone:	(972) 371-5200	Date Logged In:	03/11/26 16:18	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	03/18/26 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Amoco 1 Fed TB

Work Order: E603165

Job Number: 23003-0002

Received: 3/16/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/19/26

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: 3/19/26

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Fed TB
Workorder: E603165
Date Received: 3/16/2026 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/16/2026 7:30:00AM, under the Project Name: Amoco 1 Fed TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Fed TB 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

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported: 03/19/26 16:54
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02-3'	E603165-01A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS06-3'	E603165-02A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 4:54:07PM

FS02-3'

E603165-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.7 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612055	
Diesel Range Organics (C10-C28)	162	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	118	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>		103 %	61-141	03/17/26	03/18/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2612062	
Chloride	117	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 4:54:07PM

FS06-3'

E603165-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.2 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	99.3 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612055	
Diesel Range Organics (C10-C28)	405	25.0	1	03/17/26	03/19/26	
Oil Range Organics (C28-C36)	221	50.0	1	03/17/26	03/19/26	
<i>Surrogate: n-Nonane</i>	104 %	61-141		03/17/26	03/19/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2612062	
Chloride	406	20.0	1	03/17/26	03/17/26	



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 4:54:07PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2612046-BLK1)

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			

LCS (2612046-BS1)

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	4.55	0.0250	5.00		91.1	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.59	0.0250	5.00		91.8	70-130			
o-Xylene	4.61	0.0250	5.00		92.2	70-130			
p,m-Xylene	9.16	0.0500	10.0		91.6	70-130			
Total Xylenes	13.8	0.0250	15.0		91.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

Matrix Spike (2612046-MS1)

Source: E603163-03

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	4.63	0.0250	5.00	ND	92.6	70-130			
Ethylbenzene	4.56	0.0250	5.00	ND	91.3	70-130			
Toluene	4.66	0.0250	5.00	ND	93.3	70-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	70-130			
p,m-Xylene	9.29	0.0500	10.0	ND	92.9	70-130			
Total Xylenes	14.0	0.0250	15.0	ND	93.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

Matrix Spike Dup (2612046-MSD1)

Source: E603163-03

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	4.85	0.0250	5.00	ND	97.0	70-130	4.63	27	
Ethylbenzene	4.79	0.0250	5.00	ND	95.8	70-130	4.87	26	
Toluene	4.88	0.0250	5.00	ND	97.6	70-130	4.57	20	
o-Xylene	4.91	0.0250	5.00	ND	98.1	70-130	4.69	25	
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	70-130	4.86	23	
Total Xylenes	14.7	0.0250	15.0	ND	97.7	70-130	4.80	26	
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 4:54:07PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2612046-BLK1) Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		99.9	70-130			

LCS (2612046-BS2) Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			

Matrix Spike (2612046-MS2) Source: E603163-03 Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.9	70-130			

Matrix Spike Dup (2612046-MSD2) Source: E603163-03 Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	3.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 4:54:07PM

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 (2612055-BLK1)

Prepared: 03/17/26 Analyzed: 03/18/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	51.0		50.0		102	61-141			

LCS (2612055-BS1)

Prepared: 03/17/26 Analyzed: 03/18/26

Diesel Range Organics (C10-C28)	267	25.0	250		107	66-144			
Surrogate: <i>n</i> -Nonane	52.2		50.0		104	61-141			

Matrix Spike (2612055-MS1)

Source: E603163-07

Prepared: 03/17/26 Analyzed: 03/18/26

Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: <i>n</i> -Nonane	52.7		50.0		105	61-141			

Matrix Spike Dup (2612055-MSD1)

Source: E603163-07

Prepared: 03/17/26 Analyzed: 03/18/26

Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156	1.41	20	
Surrogate: <i>n</i> -Nonane	52.5		50.0		105	61-141			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 4:54:07PM

Anions by EPA 300.0/9056A

Analyst: TP

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

Blank (2612062-BLK1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Chloride	ND	20.0							
LCS (2612062-BS1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2612062-MS1)					Source: E603163-04		Prepared: 03/17/26 Analyzed: 03/17/26		
Chloride	655	200	250	428	90.8	80-120			
Matrix Spike Dup (2612062-MSD1)					Source: E603163-04		Prepared: 03/17/26 Analyzed: 03/17/26		
Chloride	683	200	250	428	102	80-120	4.16	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

Matador Production Company	Project Name:	Amoco 1 Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/19/26 16:54

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Amoco #1 Fed TB				Address: 3122 National Parks Hwy		E603165	23003-0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.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	TCEQ 1005-TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1002	3/12/2026	S	1	FS02 - 3'		1								X				
1006	3/12/2026	S	1	FS06 - 3'		2								X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, lgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																		
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: Jarad McCauley																		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ N												
Michelle Gonzales	03-12-26	15:35	Michelle Gonzales	3-13-26	1500													
Michelle Gonzales	3-14-26	0700	Mariassa Gonzales	3-14-26	0700													
Mariassa Gonzales	3-14-26	1100	Johnny Archuleta	3-14-26	1100													
Johnny Archuleta	3-14-26	1400	Carth Mava	3-16-26	930													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 3/16/2026 1:17:07PM

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:	Matador Production Company	Date Received:	03/16/26 07:30	Work Order ID:	E603165
Phone:	(972) 371-5200	Date Logged In:	03/16/26 09:00	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	03/20/26 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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

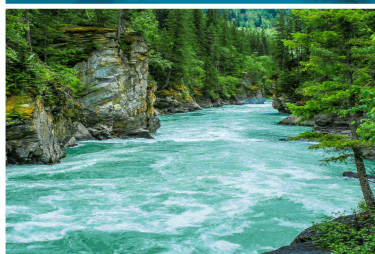
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Amoco 1 Fed TB

Work Order: E603166

Job Number: 23003-0002

Received: 3/16/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/19/26

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: 3/19/26

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Fed TB
Workorder: E603166
Date Received: 3/16/2026 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/16/2026 7:30:00AM, under the Project Name: Amoco 1 Fed TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Fed TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported: 03/19/26 16:55
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW05-0.5-3'	E603166-01A	Soil	03/13/26	03/16/26	Glass Jar, 2 oz.
SW08-0.5-2'	E603166-02A	Soil	03/13/26	03/16/26	Glass Jar, 2 oz.
SW09-0.5-1'	E603166-03A	Soil	03/13/26	03/16/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 4:55:31PM

SW05-0.5-3'

E603166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.3 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	99.2 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612055	
Diesel Range Organics (C10-C28)	638	25.0	1	03/17/26	03/19/26	
Oil Range Organics (C28-C36)	289	50.0	1	03/17/26	03/19/26	
<i>Surrogate: n-Nonane</i>	106 %	61-141		03/17/26	03/19/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2612062	
Chloride	120	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 4:55:31PM

SW08-0.5-2'

E603166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.9 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.9 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612055	
Diesel Range Organics (C10-C28)	104	25.0	1	03/17/26	03/19/26	
Oil Range Organics (C28-C36)	50.2	50.0	1	03/17/26	03/19/26	
<i>Surrogate: n-Nonane</i>	105 %	61-141		03/17/26	03/19/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2612062	
Chloride	76.6	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 4:55:31PM

SW09-0.5-1'

E603166-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2612046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.3 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2612055	
Diesel Range Organics (C10-C28)	203	25.0	1	03/17/26	03/19/26	
Oil Range Organics (C28-C36)	77.4	50.0	1	03/17/26	03/19/26	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		03/17/26	03/19/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2612062	
Chloride	104	20.0	1	03/17/26	03/17/26	



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 4:55:31PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2612046-BLK1)

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			

LCS (2612046-BS1)

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	4.55	0.0250	5.00		91.1	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.59	0.0250	5.00		91.8	70-130			
o-Xylene	4.61	0.0250	5.00		92.2	70-130			
p,m-Xylene	9.16	0.0500	10.0		91.6	70-130			
Total Xylenes	13.8	0.0250	15.0		91.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

Matrix Spike (2612046-MS1)

Source: E603163-03

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	4.63	0.0250	5.00	ND	92.6	70-130			
Ethylbenzene	4.56	0.0250	5.00	ND	91.3	70-130			
Toluene	4.66	0.0250	5.00	ND	93.3	70-130			
o-Xylene	4.68	0.0250	5.00	ND	93.6	70-130			
p,m-Xylene	9.29	0.0500	10.0	ND	92.9	70-130			
Total Xylenes	14.0	0.0250	15.0	ND	93.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

Matrix Spike Dup (2612046-MSD1)

Source: E603163-03

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	4.85	0.0250	5.00	ND	97.0	70-130	4.63	27	
Ethylbenzene	4.79	0.0250	5.00	ND	95.8	70-130	4.87	26	
Toluene	4.88	0.0250	5.00	ND	97.6	70-130	4.57	20	
o-Xylene	4.91	0.0250	5.00	ND	98.1	70-130	4.69	25	
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	70-130	4.86	23	
Total Xylenes	14.7	0.0250	15.0	ND	97.7	70-130	4.80	26	
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/19/2026 4:55:31PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2612046-BLK1)

Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		99.9	70-130			

LCS (2612046-BS2)

Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			

Matrix Spike (2612046-MS2)

Source: E603163-03

Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.9	70-130			

Matrix Spike Dup (2612046-MSD2)

Source: E603163-03

Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	3.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		99.0	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 4:55:31PM

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 (2612055-BLK1)					Prepared: 03/17/26 Analyzed: 03/18/26				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.0		50.0		102	61-141			

LCS (2612055-BS1)					Prepared: 03/17/26 Analyzed: 03/18/26				
Diesel Range Organics (C10-C28)	267	25.0	250		107	66-144			
Surrogate: n-Nonane	52.2		50.0		104	61-141			

Matrix Spike (2612055-MS1)					Source: E603163-07		Prepared: 03/17/26 Analyzed: 03/18/26		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	52.7		50.0		105	61-141			

Matrix Spike Dup (2612055-MSD1)					Source: E603163-07		Prepared: 03/17/26 Analyzed: 03/18/26		
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156	1.41	20	
Surrogate: n-Nonane	52.5		50.0		105	61-141			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 4:55:31PM

Anions by EPA 300.0/9056A

Analyst: TP

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 (2612062-BLK1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Chloride	ND	20.0							
LCS (2612062-BS1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2612062-MS1)					Source: E603163-04		Prepared: 03/17/26 Analyzed: 03/17/26		
Chloride	655	200	250	428	90.8	80-120			
Matrix Spike Dup (2612062-MSD1)					Source: E603163-04		Prepared: 03/17/26 Analyzed: 03/17/26		
Chloride	683	200	250	428	102	80-120	4.16	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

Matador Production Company	Project Name:	Amoco 1 Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/19/26 16:55

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco #1 Fed TB				Address: 3122 National Parks Hwy		E6031604	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.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	TCFQ 1005 - TX	RCRA 8 Metals	BIGDOC - NM	BIGDOC - TX	SDWA	CWA	RCRA	
924	3/13/2026	S	1	SW05 - 0.5 - 3'		1								X					
918	3/13/2026	S	1	SW08 - 0.5 - 2'		2								X					
916	3/13/2026	S	1	SW09 - 0.5 - 1'		3								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																			
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: Jarad McCauley																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (X) / N											
Michelle Gonzales		3-13-26	12:00	Michelle Gonzales		3-13-26	1200												
Michelle Gonzales		3-14-26	0700	Marissa Gonzales		3-14-26	0700												
Marissa Gonzales		3-14-26	1100	Johnny Archuleta		3-14-26	1100												
Johnny Archuleta		3-14-26	1400	Cathy Mann		3-16-26	730												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 3/16/2026 1:20:51PM

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:	Matador Production Company	Date Received:	03/16/26 07:30	Work Order ID:	E603166
Phone:	(972) 371-5200	Date Logged In:	03/16/26 09:04	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	03/20/26 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

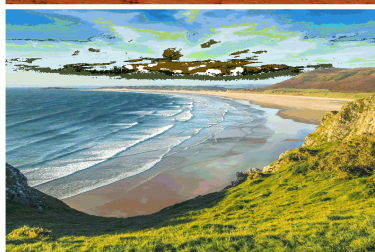
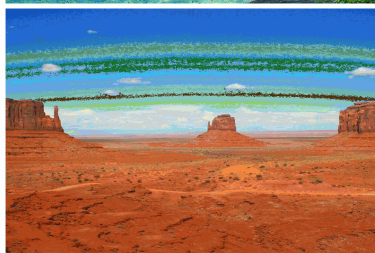
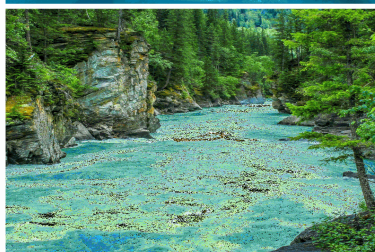
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Amoco 1 Fed TB

Work Order: E603167

Job Number: 23003-0002

Received: 3/16/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/19/26

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: 3/19/26

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Fed TB
Workorder: E603167
Date Received: 3/16/2026 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/16/2026 7:30:00AM, under the Project Name: Amoco 1 Fed TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Fed TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/19/26 14:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01-0-3'	E603167-01A	Soil	03/13/26	03/16/26	Glass Jar, 2 oz.
SW02-0-3'	E603167-02A	Soil	03/13/26	03/16/26	Glass Jar, 2 oz.
SW03-0.5-3'	E603167-03A	Soil	03/13/26	03/16/26	Glass Jar, 2 oz.
SW04-0.5-3'	E603167-04A	Soil	03/13/26	03/16/26	Glass Jar, 2 oz.
SW06-0-3'	E603167-05A	Soil	03/13/26	03/16/26	Glass Jar, 2 oz.
SW07-0-2'	E603167-06A	Soil	03/13/26	03/16/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 2:44:46PM

SW01-0-3'

E603167-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612051	
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.5 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612054	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>		95.1 %	61-141	03/17/26	03/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2612062	
Chloride	574	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 2:44:46PM

SW02-0-3'

E603167-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612051	
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612054	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>		94.2 %	61-141	03/17/26	03/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2612062	
Chloride	586	20.0	1	03/17/26	03/18/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 2:44:46PM

SW03-0.5-3'

E603167-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612051
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612051
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2612054
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>						
	93.0 %	61-141		03/17/26	03/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2612062
Chloride	558	20.0	1	03/17/26	03/18/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 2:44:46PM

SW04-0.5-3'

E603167-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612051	
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.0 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612054	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>		96.7 %	61-141	03/17/26	03/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2612062	
Chloride	655	20.0	1	03/17/26	03/18/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 2:44:46PM

SW06-0-3'

E603167-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612051
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612051
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2612054
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>						
	95.4 %	61-141		03/17/26	03/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2612062
Chloride	536	20.0	1	03/17/26	03/18/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2026 2:44:46PM

SW07-0-2'

E603167-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612051	
Benzene	ND	0.0250	1	03/17/26	03/18/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/18/26	
Toluene	ND	0.0250	1	03/17/26	03/18/26	
o-Xylene	ND	0.0250	1	03/17/26	03/18/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/18/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/18/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/18/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	03/17/26	03/18/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2612054	
Diesel Range Organics (C10-C28)	259	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	91.0	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>		97.1 %	61-141	03/17/26	03/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2612062	
Chloride	105	20.0	1	03/17/26	03/18/26	



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 2:44:46PM

Volatile Organics by EPA 8021B

Analyst: MB

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 (2612051-BLK1)

Prepared: 03/17/26 Analyzed: 03/18/26

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	7.42		8.00		92.8	70-130			

LCS (2612051-BS1)

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	4.09	0.0250	5.00		81.7	70-130			
Ethylbenzene	4.14	0.0250	5.00		82.9	70-130			
Toluene	4.21	0.0250	5.00		84.1	70-130			
o-Xylene	4.25	0.0250	5.00		84.9	70-130			
p,m-Xylene	8.49	0.0500	10.0		84.9	70-130			
Total Xylenes	12.7	0.0250	15.0		84.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

Matrix Spike (2612051-MS1)

Source: E603173-02

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	4.23	0.0250	5.00	ND	84.5	70-130			
Ethylbenzene	4.27	0.0250	5.00	ND	85.4	70-130			
Toluene	4.34	0.0250	5.00	ND	86.8	70-130			
o-Xylene	4.38	0.0250	5.00	ND	87.6	70-130			
p,m-Xylene	8.73	0.0500	10.0	ND	87.3	70-130			
Total Xylenes	13.1	0.0250	15.0	ND	87.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2612051-MSD1)

Source: E603173-02

Prepared: 03/17/26 Analyzed: 03/18/26

Benzene	4.19	0.0250	5.00	ND	83.8	70-130	0.895	27	
Ethylbenzene	4.25	0.0250	5.00	ND	84.9	70-130	0.578	26	
Toluene	4.31	0.0250	5.00	ND	86.2	70-130	0.679	20	
o-Xylene	4.37	0.0250	5.00	ND	87.5	70-130	0.0811	25	
p,m-Xylene	8.68	0.0500	10.0	ND	86.8	70-130	0.543	23	
Total Xylenes	13.1	0.0250	15.0	ND	87.1	70-130	0.389	26	
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.8	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 2:44:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

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 (2612051-BLK1) Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.13		8.00		102	70-130			

LCS (2612051-BS2) Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.14		8.00		102	70-130			

Matrix Spike (2612051-MS2) Source: E603173-02 Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			

Matrix Spike Dup (2612051-MSD2) Source: E603173-02 Prepared: 03/17/26 Analyzed: 03/18/26

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130	1.28	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 2:44:46PM

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 (2612054-BLK1)

Prepared: 03/17/26 Analyzed: 03/17/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.1		50.0		90.2	61-141			

LCS (2612054-BS1)

Prepared: 03/17/26 Analyzed: 03/17/26

Diesel Range Organics (C10-C28)	229	25.0	250		91.6	66-144			
Surrogate: <i>n</i> -Nonane	45.6		50.0		91.1	61-141			

Matrix Spike (2612054-MS1)

Source: E603167-06

Prepared: 03/17/26 Analyzed: 03/17/26

Diesel Range Organics (C10-C28)	507	25.0	250	259	99.2	56-156			
Surrogate: <i>n</i> -Nonane	45.4		50.0		90.8	61-141			

Matrix Spike Dup (2612054-MSD1)

Source: E603167-06

Prepared: 03/17/26 Analyzed: 03/17/26

Diesel Range Organics (C10-C28)	489	25.0	250	259	92.3	56-156	3.48	20	
Surrogate: <i>n</i> -Nonane	45.7		50.0		91.4	61-141			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/19/2026 2:44:46PM

Anions by EPA 300.0/9056A

Analyst: TP

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

Blank (2612062-BLK1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Chloride	ND	20.0							
LCS (2612062-BS1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2612062-MS1)					Source: E603163-04		Prepared: 03/17/26 Analyzed: 03/17/26		
Chloride	655	200	250	428	90.8	80-120			
Matrix Spike Dup (2612062-MSD1)					Source: E603163-04		Prepared: 03/17/26 Analyzed: 03/17/26		
Chloride	683	200	250	428	102	80-120	4.16	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

Matador Production Company	Project Name:	Amoco 1 Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/19/26 14:44

- 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: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Amoco #1 Fed TB				Address: 3122 National Parks Hwy		E603167	23003-0002				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: 575-988-0055														
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCEA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
932	3/13/2026	S	1	SW01 - 0 - 3'		1								X		3.3		
930	3/13/2026	S	1	SW02 - 0 - 3'		2								X		2.3		
1000	3/13/2026	S	1	SW03 - 0.5 - 3'		3								X		1.9		
928	3/13/2026	S	1	SW04 - 0.5 - 3'		4								X		1.5		
924	3/13/2026	S	1	SW06 - 0 - 3'		5								X		1.2		
1002	3/13/2026	S	1	SW07 - 0 - 2'		6								X		1.1		
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																		
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: Jarad McCauley																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N										
Michelle Gonzales		03-13-26	12:00	Michelle Gonzales		3-13-26	1200											
Michelle Gonzales		03-14-26	0700	Marissa Gonzales		3-14-26	0700											
Marissa Gonzales		3-14-26	1100	Johnny Archuleta		3-14-26	1100											
Johnny Archuleta		3-14-26	1400	Cathy Maura		3-16-26	730											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 3/16/2026 1:22:04PM

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:	Matador Production Company	Date Received:	03/16/26 07:30	Work Order ID:	E603167
Phone:	(972) 371-5200	Date Logged In:	03/16/26 09:08	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	03/20/26 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

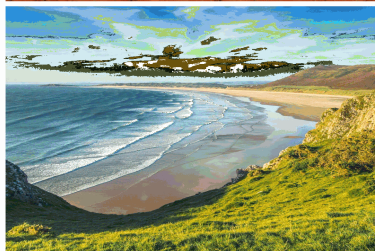
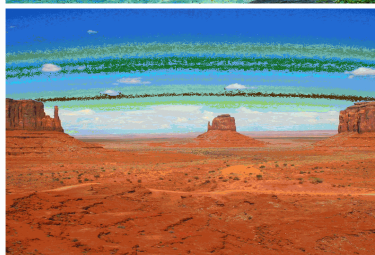
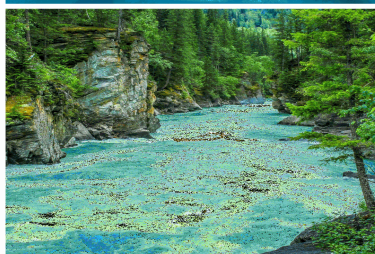
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Amoco 1 Fed TB

Work Order: E603168

Job Number: 23003-0002

Received: 3/16/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/20/26

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: 3/20/26

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Fed TB
Workorder: E603168
Date Received: 3/16/2026 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/16/2026 7:30:00AM, under the Project Name: Amoco 1 Fed TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Fed TB 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

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported: 03/20/26 12:28
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-3'	E603168-01A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS03-0.5'	E603168-02A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS04-0.5'	E603168-03A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS05-3'	E603168-04A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS07-3'	E603168-05A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS08-3'	E603168-06A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS09-3'	E603168-07A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS10-3'	E603168-08A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS11-2'	E603168-09A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS12-2'	E603168-10A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS13-2'	E603168-11A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS14-2'	E603168-12A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS15-2'	E603168-13A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS16-2'	E603168-14A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS17-2'	E603168-15A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS18-2'	E603168-16A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS19-0.5'	E603168-17A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS20-0.5'	E603168-18A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS21-0.5'	E603168-19A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.
FS22-0.5'	E603168-20A	Soil	03/12/26	03/16/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS01-3'

E603168-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	39.7	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>		94.7 %	61-141	03/17/26	03/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	93.7	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS03-0.5'

E603168-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.2 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.7 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	159	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	129	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>	91.3 %	61-141		03/17/26	03/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	175	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS04-0.5'

E603168-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.7 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.7 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	54.1	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	58.7	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>	91.7 %	61-141		03/17/26	03/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	ND	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS05-3'

E603168-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.3 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	41.2	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>						
	95.7 %	61-141		03/17/26	03/17/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	111	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS07-3'

E603168-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.5 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.8 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	191	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	136	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>	91.8 %	61-141		03/17/26	03/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	369	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS08-3'

E603168-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	91.3 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.0 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	95.5	25.0	1	03/17/26	03/17/26	
Oil Range Organics (C28-C36)	81.7	50.0	1	03/17/26	03/17/26	
<i>Surrogate: n-Nonane</i>	91.8 %	61-141		03/17/26	03/17/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	337	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS09-3'

E603168-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	176	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	141	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>						
	92.9 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	398	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS10-3'

E603168-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	174	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	125	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>						
	93.0 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	79.2	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS11-2'

E603168-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>						
	95.6 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	23.9	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS12-2'

E603168-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>						
	97.7 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	25.3	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS13-2'

E603168-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.9 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>						
	91.8 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	62.7	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS14-2'

E603168-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.7 %	70-130	03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.2 %	70-130	03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>						
		94.6 %	61-141	03/17/26	03/18/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	68.4	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS15-2'

E603168-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.5 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.5 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	33.3	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>	96.0 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	303	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS16-2'

E603168-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.2 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>						
	93.7 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	67.9	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS17-2'

E603168-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	87.6 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.5 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	27.6	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>	93.7 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	303	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS18-2'

E603168-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.5 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2612058
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2612067
Diesel Range Organics (C10-C28)	30.2	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>						
	94.0 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2612057
Chloride	315	20.0	1	03/17/26	03/17/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS19-0.5'

E603168-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.5 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.2 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	304	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	164	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>	94.2 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	824	20.0	1	03/17/26	03/18/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS20-0.5'

E603168-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.5 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	99.4 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	74.1	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	52.4	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>	94.6 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	309	20.0	1	03/17/26	03/18/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS21-0.5'

E603168-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.6 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	261	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	123	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>						
	92.8 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	387	20.0	1	03/17/26	03/18/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/20/2026 12:28:51PM

FS22-0.5'

E603168-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Benzene	ND	0.0250	1	03/17/26	03/19/26	
Ethylbenzene	ND	0.0250	1	03/17/26	03/19/26	
Toluene	ND	0.0250	1	03/17/26	03/19/26	
o-Xylene	ND	0.0250	1	03/17/26	03/19/26	
p,m-Xylene	ND	0.0500	1	03/17/26	03/19/26	
Total Xylenes	ND	0.0250	1	03/17/26	03/19/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.0 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: MB		Batch: 2612058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/26	03/19/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.2 %	70-130		03/17/26	03/19/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2612067	
Diesel Range Organics (C10-C28)	272	25.0	1	03/17/26	03/18/26	
Oil Range Organics (C28-C36)	134	50.0	1	03/17/26	03/18/26	
<i>Surrogate: n-Nonane</i>	92.6 %	61-141		03/17/26	03/18/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2612057	
Chloride	403	20.0	1	03/17/26	03/18/26	



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2026 12:28:51PM

Volatile Organics by EPA 8021B

Analyst: MB

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 (2612058-BLK1)

Prepared: 03/17/26 Analyzed: 03/19/26

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	7.21		8.00		90.1	70-130			

LCS (2612058-BS1)

Prepared: 03/17/26 Analyzed: 03/19/26

Benzene	4.51	0.0250	5.00		90.2	70-130			
Ethylbenzene	4.21	0.0250	5.00		84.2	70-130			
Toluene	4.43	0.0250	5.00		88.6	70-130			
o-Xylene	4.26	0.0250	5.00		85.1	70-130			
p,m-Xylene	8.63	0.0500	10.0		86.3	70-130			
Total Xylenes	12.9	0.0250	15.0		85.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.7	70-130			

Matrix Spike (2612058-MS1)

Source: E603168-13

Prepared: 03/17/26 Analyzed: 03/19/26

Benzene	4.52	0.0250	5.00	ND	90.5	70-130			
Ethylbenzene	4.22	0.0250	5.00	ND	84.3	70-130			
Toluene	4.44	0.0250	5.00	ND	88.7	70-130			
o-Xylene	4.28	0.0250	5.00	ND	85.6	70-130			
p,m-Xylene	8.63	0.0500	10.0	ND	86.3	70-130			
Total Xylenes	12.9	0.0250	15.0	ND	86.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.35		8.00		91.9	70-130			

Matrix Spike Dup (2612058-MSD1)

Source: E603168-13

Prepared: 03/17/26 Analyzed: 03/19/26

Benzene	4.38	0.0250	5.00	ND	87.6	70-130	3.25	27	
Ethylbenzene	4.09	0.0250	5.00	ND	81.7	70-130	3.08	26	
Toluene	4.29	0.0250	5.00	ND	85.8	70-130	3.31	20	
o-Xylene	4.13	0.0250	5.00	ND	82.7	70-130	3.46	25	
p,m-Xylene	8.38	0.0500	10.0	ND	83.8	70-130	3.01	23	
Total Xylenes	12.5	0.0250	15.0	ND	83.4	70-130	3.16	26	
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.2	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2026 12:28:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

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 (2612058-BLK1) Prepared: 03/17/26 Analyzed: 03/19/26

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

LCS (2612058-BS2) Prepared: 03/17/26 Analyzed: 03/19/26

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

Matrix Spike (2612058-MS2) Source: E603168-13 Prepared: 03/17/26 Analyzed: 03/19/26

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

Matrix Spike Dup (2612058-MSD2) Source: E603168-13 Prepared: 03/17/26 Analyzed: 03/19/26

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.5	70-130	5.98	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/20/2026 12:28:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2612067-BLK1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.0	61-141			

LCS (2612067-BS1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	66-144			
Surrogate: n-Nonane	44.8		50.0		89.5	61-141			

Matrix Spike (2612067-MS1)				Source: E603168-09		Prepared: 03/17/26 Analyzed: 03/17/26			
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	46.1		50.0		92.1	61-141			

Matrix Spike Dup (2612067-MSD1)				Source: E603168-09		Prepared: 03/17/26 Analyzed: 03/17/26			
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	0.996	20	
Surrogate: n-Nonane	45.3		50.0		90.6	61-141			



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/20/2026 12:28:51PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2612057-BLK1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Chloride	ND	20.0							
LCS (2612057-BS1)					Prepared: 03/17/26 Analyzed: 03/17/26				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2612057-MS1)					Source: E603168-07		Prepared: 03/17/26 Analyzed: 03/17/26		
Chloride	576	20.0	250	398	71.2	80-120			M2
Matrix Spike Dup (2612057-MSD1)					Source: E603168-07		Prepared: 03/17/26 Analyzed: 03/17/26		
Chloride	599	20.0	250	398	80.3	80-120	3.89	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

Matador Production Company	Project Name:	Amoco 1 Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/20/26 12:28

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Matador Production Company				Company: Ensolum LLC		Lab WO# E1003168		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Amoco #1 Fed TB				Address: 3122 National Parks Hwy										X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp		Remarks	
1001	3/12/2026	S	1	FS01 - 3'		1								X			2.7			
1003	3/12/2026	S	1	FS03 - 3'		2								X			1.5			
1004	3/12/2026	S	1	FS04 - 0.5'		3								X			2.5			
1005	3/12/2026	S	1	FS05 - 3'		4								X			1.7			
1007	3/12/2026	S	1	FS07 - 3'		5								X			2.0			
1008	3/12/2026	S	1	FS08 - 3'		6								X			2.1			
1009	3/12/2026	S	1	FS09 - 3'		7								X			2.3			
1010	3/12/2026	S	1	FS10 - 3'		8								X			2.2			
941	3/12/2026	S	1	FS11 - 2'		9								X			3.0			
942	3/12/2026	S	1	FS12 - 2'		10								X			1.9			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com																				
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: Jarad McCauley																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N								
Michelle Gonzales		3-14-26		15:35		Michelle Gonzales		3-13-26		1530										
Marissa Gonzales		3-14-26		1100		Marissa Gonzales		3-14-26		1100										
Johnny Archuleta		3-14-26		1400		Johnny Archuleta		3-14-26		1100										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Johnny Archuleta		3-14-26		1400		Johnny Archuleta		3-16-26		730										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project Name: Amoco #1 Fed TB				Address: 3122 National Parks Hwy		E1603168	23003-0002				X	X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1333	3/12/2026	S	1	FS13 - 2'		11								X			2.8			
1334	3/12/2026	S	1	FS14 - 2'		12								X			1.9			
1335	3/12/2026	S	1	FS15 - 2'		13								X			2.3			
946	3/12/2026	S	1	FS16 - 2'		14								X			2.4			
947	3/12/2026	S	1	FS17 - 2'		15								X			2.7			
1336	3/12/2026	S	1	FS18 - 2'		16								X			2.6			
1019	3/12/2026	S	1	FS19 - 0.5'		17								X			2.5			
1020	3/12/2026	S	1	FS20 - 0.5'		18								X			2.0			
1021	3/12/2026	S	1	FS21 - 0.5'		19								X			3.0			
1022	3/12/2026	S	1	FS22 - 0.5'		20								X			2.8			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																				
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: Jarad McCauley																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N								
Michelle Gonzales		3-12-26		13:35		Michelle Gonzales		3-13-26		1530										
Michelle Gonzales		3-14-26		0700		Marissa Gonzales		3-14-26		0700										
Marissa Gonzales		3-14-26		1100		Johnny Archuleta		3-14-26		1100										
Johnny Archuleta		3-14-26		1400		Caitlin Mair		3-16-26		730										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 3/20/2026 12:21:46PM

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:	Matador Production Company	Date Received:	03/16/26 07:30	Work Order ID:	E603168
Phone:	(972) 371-5200	Date Logged In:	03/16/26 09:11	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	03/20/26 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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? Yes

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? 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 InstructionComments/Resolution

L-NS
R-CM

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

Date

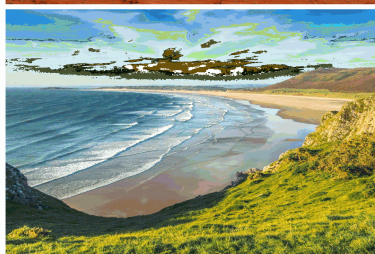
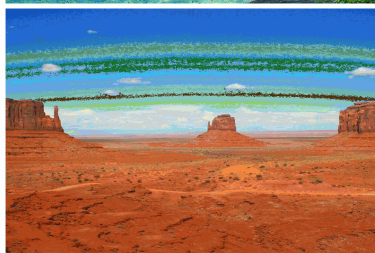
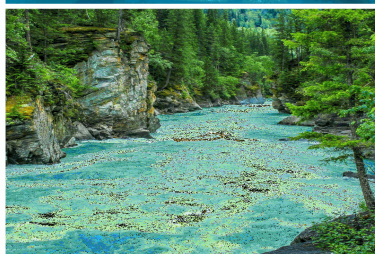


envirotech Inc.

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco #1 Fed TB				Address: 3122 National Parks Hwy		E10031168	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method						EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
1001	3/12/2026	S	1	FS01 - 3'		1									X		2.7		Changed
1003	3/12/2026	S	1	NS FS03 - 3' 0.5' 3-16-26		2									X		1.5		Sample depth
1004	3/12/2026	S	1	FS04 - 0.5'		3									X		2.5		
1005	3/12/2026	S	1	FS05 - 3'		4									X		1.7		Per J.M
1007	3/12/2026	S	1	FS07 - 3'		5									X		2.0		NS 3-16-20
1008	3/12/2026	S	1	FS08 - 3'		6									X		2.1		
1009	3/12/2026	S	1	FS09 - 3'		7									X		2.3		
1010	3/12/2026	S	1	FS10 - 3'		8									X		2.2		
941	3/12/2026	S	1	FS11 - 2'		9									X		3.0		
942	3/12/2026	S	1	FS12 - 2'		10									X		1.9		
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																			
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: Jarad McCauley																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
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Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: Amoco #1 Fed TB				Address: 3122 National Parks Hwy				E1003168		23003-0002					X	X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: 575-988-0055																
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com																
Phone: 575-988-0055				Miscellaneous:																
Email: agiovengo@ensolum.com																				
Sample Information				Analysis and Method												EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BIGDOC - MM	BIGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1333	3/12/2026	S	1	FS13 - 2'		11									X					2.8
1334	3/12/2026	S	1	FS14 - 2'		12									X					1.9
1335	3/12/2026	S	1	FS15 - 2'		13									X					2.3
946	3/12/2026	S	1	FS16 - 2'		14									X					2.4
947	3/12/2026	S	1	FS17 - 2'		15									X					2.7
1336	3/12/2026	S	1	FS18 - 2'		16									X					2.6
1019	3/12/2026	S	1	FS19 - 0.5'		17									X					2.5
1020	3/12/2026	S	1	FS20 - 0.5'		18									X					2.0
1021	3/12/2026	S	1	FS21 - 0.5'		19									X					3.0
1022	3/12/2026	S	1	FS22 - 0.5'		20									X					2.8
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, igonzalez@ensolum.com, ihinkle@ensolum.com, eplugge@ensolum.com																				
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: <u>Jarad McCauley</u>																				
Relinquished by: (Signature) <u>[Signature]</u>		Date <u>07-12-26</u>		Time <u>13:35</u>		Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>3-13-26</u>		Time <u>1530</u>		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>(Y) N</u>								
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>3-14-26</u>		Time <u>0700</u>		Received by: (Signature) <u>Marissa Gonzales</u>		Date <u>3-14-26</u>		Time <u>0700</u>										
Relinquished by: (Signature) <u>Marissa Gonzales</u>		Date <u>3-14-26</u>		Time <u>1100</u>		Received by: (Signature) <u>Johnny Archuleta</u>		Date <u>3-14-26</u>		Time <u>1100</u>										
Relinquished by: (Signature) <u>Johnny Archuleta</u>		Date <u>3-14-26</u>		Time <u>1400</u>		Received by: (Signature) <u>Carth Mann</u>		Date <u>3-16-26</u>		Time <u>730</u>										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
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Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Amoco 1 Federal TB

Work Order: E603358

Job Number: 23003-0002

Received: 3/31/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/6/26

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/6/26

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Federal TB
Workorder: E603358
Date Received: 3/31/2026 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/31/2026 6:00:00AM, under the Project Name: Amoco 1 Federal TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Federal TB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/06/26 09:05
--	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02-4'	E603358-01A	Soil	03/27/26	03/31/26	Glass Jar, 2 oz.
FS03-0.5'-1	E603358-02A	Soil	03/27/26	03/31/26	Glass Jar, 2 oz.
FS04-0.5'-1	E603358-03A	Soil	03/27/26	03/31/26	Glass Jar, 2 oz.
FS06-4'	E603358-04A	Soil	03/27/26	03/31/26	Glass Jar, 2 oz.
FS07-4'	E603358-05A	Soil	03/27/26	03/31/26	Glass Jar, 2 oz.
FS08-4'	E603358-06A	Soil	03/27/26	03/31/26	Glass Jar, 2 oz.
FS09-4'	E603358-07A	Soil	03/27/26	03/31/26	Glass Jar, 2 oz.
FS10-4'	E603358-08A	Soil	03/27/26	03/31/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/6/2026 9:05:20AM

FS02-4'

E603358-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Benzene	ND	0.0250	1	03/30/26	04/02/26	
Ethylbenzene	ND	0.0250	1	03/30/26	04/02/26	
Toluene	ND	0.0250	1	03/30/26	04/02/26	
o-Xylene	ND	0.0250	1	03/30/26	04/02/26	
p,m-Xylene	ND	0.0500	1	03/30/26	04/02/26	
Total Xylenes	ND	0.0250	1	03/30/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: CJB		Batch: 2614045	
Diesel Range Organics (C10-C28)	100	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	81.6	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
		87.5 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2614019	
Chloride	339	20.0	1	03/31/26	03/31/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/6/2026 9:05:20AM

FS03-0.5'-1

E603358-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2614026
Benzene	ND	0.0250	1	03/30/26	04/02/26	
Ethylbenzene	ND	0.0250	1	03/30/26	04/02/26	
Toluene	ND	0.0250	1	03/30/26	04/02/26	
o-Xylene	ND	0.0250	1	03/30/26	04/02/26	
p,m-Xylene	ND	0.0500	1	03/30/26	04/02/26	
Total Xylenes	ND	0.0250	1	03/30/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2614026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: CJB		Batch: 2614045
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
		92.0 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2614019
Chloride	216	20.0	1	03/31/26	03/31/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/6/2026 9:05:20AM

FS04-0.5'-1

E603358-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2614026
Benzene	ND	0.0250	1	03/30/26	04/02/26	
Ethylbenzene	ND	0.0250	1	03/30/26	04/02/26	
Toluene	ND	0.0250	1	03/30/26	04/02/26	
o-Xylene	ND	0.0250	1	03/30/26	04/02/26	
p,m-Xylene	ND	0.0500	1	03/30/26	04/02/26	
Total Xylenes	ND	0.0250	1	03/30/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2614026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: CJB		Batch: 2614045
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
		89.3 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2614019
Chloride	49.2	20.0	1	03/31/26	03/31/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/6/2026 9:05:20AM

FS06-4'

E603358-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Benzene	ND	0.0250	1	03/30/26	04/02/26	
Ethylbenzene	ND	0.0250	1	03/30/26	04/02/26	
Toluene	ND	0.0250	1	03/30/26	04/02/26	
o-Xylene	ND	0.0250	1	03/30/26	04/02/26	
p,m-Xylene	ND	0.0500	1	03/30/26	04/02/26	
Total Xylenes	ND	0.0250	1	03/30/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: CJB		Batch: 2614045	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>		90.7 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2614019	
Chloride	204	20.0	1	03/31/26	03/31/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/6/2026 9:05:20AM

FS07-4'

E603358-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Benzene	ND	0.0250	1	03/30/26	04/02/26	
Ethylbenzene	ND	0.0250	1	03/30/26	04/02/26	
Toluene	ND	0.0250	1	03/30/26	04/02/26	
o-Xylene	ND	0.0250	1	03/30/26	04/02/26	
p,m-Xylene	ND	0.0500	1	03/30/26	04/02/26	
Total Xylenes	ND	0.0250	1	03/30/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614045	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
		93.1 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614019	
Chloride	190	20.0	1	03/31/26	03/31/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/6/2026 9:05:20AM

FS08-4'

E603358-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Benzene	ND	0.0250	1	03/30/26	04/02/26	
Ethylbenzene	ND	0.0250	1	03/30/26	04/02/26	
Toluene	ND	0.0250	1	03/30/26	04/02/26	
o-Xylene	ND	0.0250	1	03/30/26	04/02/26	
p,m-Xylene	ND	0.0500	1	03/30/26	04/02/26	
Total Xylenes	ND	0.0250	1	03/30/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: CJB		Batch: 2614045	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>		93.7 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP		Batch: 2614019	
Chloride	254	20.0	1	03/31/26	04/01/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/6/2026 9:05:20AM

FS09-4'

E603358-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Benzene	ND	0.0250	1	03/30/26	04/02/26	
Ethylbenzene	ND	0.0250	1	03/30/26	04/02/26	
Toluene	ND	0.0250	1	03/30/26	04/02/26	
o-Xylene	ND	0.0250	1	03/30/26	04/02/26	
p,m-Xylene	ND	0.0500	1	03/30/26	04/02/26	
Total Xylenes	ND	0.0250	1	03/30/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2614026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2614045	
Diesel Range Organics (C10-C28)	27.0	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
	96.1 %	69-135		03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: TP		Batch: 2614019	
Chloride	265	20.0	1	03/31/26	04/01/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/6/2026 9:05:20AM

FS10-4'

E603358-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2614026
Benzene	ND	0.0250	1	03/30/26	04/02/26	
Ethylbenzene	ND	0.0250	1	03/30/26	04/02/26	
Toluene	ND	0.0250	1	03/30/26	04/02/26	
o-Xylene	ND	0.0250	1	03/30/26	04/02/26	
p,m-Xylene	ND	0.0500	1	03/30/26	04/02/26	
Total Xylenes	ND	0.0250	1	03/30/26	04/02/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2614026
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/26	04/02/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.8 %	70-130	03/30/26	04/02/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: CJB		Batch: 2614045
Diesel Range Organics (C10-C28)	ND	25.0	1	03/31/26	04/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/31/26	04/01/26	
<i>Surrogate: n-Nonane</i>						
		94.3 %	69-135	03/31/26	04/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2614019
Chloride	32.6	20.0	1	03/31/26	04/01/26	



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/6/2026 9:05:20AM

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 (2614026-BLK1)

Prepared: 03/30/26 Analyzed: 03/31/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		102	70-130			

LCS (2614026-BS1)

Prepared: 03/30/26 Analyzed: 03/31/26

Benzene	5.10	0.0250	5.00		102	70-130			
Ethylbenzene	4.90	0.0250	5.00		98.1	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.94	0.0250	5.00		98.9	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

Matrix Spike (2614026-MS1)

Source: E603350-05

Prepared: 03/30/26 Analyzed: 03/31/26

Benzene	5.65	0.0250	5.00	ND	113	70-130			
Ethylbenzene	5.44	0.0250	5.00	ND	109	70-130			
Toluene	5.57	0.0250	5.00	ND	111	70-130			
o-Xylene	5.46	0.0250	5.00	ND	109	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

Matrix Spike Dup (2614026-MSD1)

Source: E603350-05

Prepared: 03/30/26 Analyzed: 04/01/26

Benzene	5.17	0.0250	5.00	ND	103	70-130	8.90	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.4	70-130	8.91	20	
Toluene	5.09	0.0250	5.00	ND	102	70-130	9.13	20	
o-Xylene	5.04	0.0250	5.00	ND	101	70-130	8.00	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	8.34	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130	8.22	20	
Surrogate: 4-Bromochlorobenzene-PID	8.14		8.00		102	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/6/2026 9:05:20AM

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 (2614026-BLK1)

Prepared: 03/30/26 Analyzed: 03/31/26

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

LCS (2614026-BS2)

Prepared: 03/30/26 Analyzed: 03/31/26

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

Matrix Spike (2614026-MS2)

Source: E603350-05 Prepared: 03/30/26 Analyzed: 04/01/26

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

Matrix Spike Dup (2614026-MSD2)

Source: E603350-05 Prepared: 03/30/26 Analyzed: 04/01/26

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0	ND	112	60-137	1.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/6/2026 9:05:20AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: CJB

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 (2614045-BLK1)					Prepared: 03/31/26 Analyzed: 03/31/26				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.3		50.0		98.6	69-135			

LCS (2614045-BS1)					Prepared: 03/31/26 Analyzed: 03/31/26				
Diesel Range Organics (C10-C28)	256	25.0	250		102	70-131			
Surrogate: n-Nonane	46.7		50.0		93.5	69-135			

Matrix Spike (2614045-MS1)					Source: E603350-07		Prepared: 03/31/26 Analyzed: 03/31/26		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	62-151			
Surrogate: n-Nonane	46.7		50.0		93.5	69-135			

Matrix Spike Dup (2614045-MSD1)					Source: E603350-07		Prepared: 03/31/26 Analyzed: 03/31/26		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	62-151	0.616	20	
Surrogate: n-Nonane	45.5		50.0		91.0	69-135			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/6/2026 9:05:20AM

Anions by EPA 300.0/9056A

Analyst: TP

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

Blank (2614019-BLK1)					Prepared: 03/30/26 Analyzed: 03/31/26				
Chloride	ND	20.0							
LCS (2614019-BS1)					Prepared: 03/30/26 Analyzed: 03/31/26				
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2614019-MS1)					Source: E603349-04		Prepared: 03/30/26 Analyzed: 03/31/26		
Chloride	255	100	250	ND	102	80-120			
Matrix Spike Dup (2614019-MSD1)					Source: E603349-04		Prepared: 03/30/26 Analyzed: 03/31/26		
Chloride	254	100	250	ND	102	80-120	0.251	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

Matador Production Company	Project Name:	Amoco 1 Federal TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/06/26 09:05

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy		E603358	23003-0002				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BDOC - NM	BDOC - TX	SDWA	CWA	RCRA	
1429	3/27/26	Soil	1	FS02-4'		1								f		3.2			
1431				03-0.5'-1		2								f		3.1			
1432				04-0.5'-1		3								f		3.0			
1127				06-4'		4								f		2.7			
1424				07-4'		5								f		3.4			
1426				08-4'		6								f		3.2			
1427				09-4'		7								f		3.3			
1130				10-4'		8								f		3.0			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, ihinkle@ensolum.com, akone@ensolum.com, imccauley@ensolum.com, eplugge@ensolum.com, usantillana@ensolum.com																			
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: Jenna Hinkle																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N							
Jenna Hinkle		3/30/2026		7:00		Michelle Gonzales		3-30-26		0700									
Michelle Gonzales		3-30-26		1230		Marissa Gonzales		3-30-26		1230									
Marissa Gonzales		3-30-26		1620		Johnny Archuleta		3-30-26		1420									
Johnny Archuleta		3-30-26		2100		Nee Soto		3-31-26		0600									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 3/31/2026 9:04:35AM

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:	Matador Production Company	Date Received:	03/31/26 06:00	Work Order ID:	E603358
Phone:	(972) 371-5200	Date Logged In:	03/30/26 14:14	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	04/06/26 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

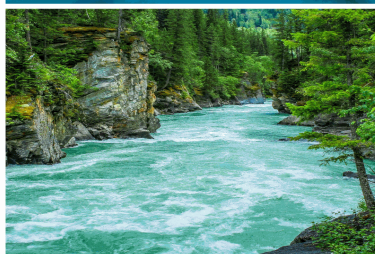
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Amoco 1 Federal TB

Work Order: E604011

Job Number: 23003-0002

Received: 4/2/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/7/26

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

Date Reported: 4/7/26

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Federal TB
Workorder: E604011
Date Received: 4/2/2026 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/2/2026 5:00:00AM, under the Project Name: Amoco 1 Federal TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Federal TB 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

Matador Production Company	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/07/26 16:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW04 - 0.5-4'	E604011-01A	Soil	03/31/26	04/02/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Federal TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/7/2026 4:41:49PM

SW04 - 0.5-4'

E604011-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2614095	
Benzene	ND	0.0250	1	04/02/26	04/04/26	
Ethylbenzene	ND	0.0250	1	04/02/26	04/04/26	
Toluene	ND	0.0250	1	04/02/26	04/04/26	
o-Xylene	ND	0.0250	1	04/02/26	04/04/26	
p,m-Xylene	ND	0.0500	1	04/02/26	04/04/26	
Total Xylenes	ND	0.0250	1	04/02/26	04/04/26	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	04/02/26	04/04/26	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2614095	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/02/26	04/04/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	04/02/26	04/04/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2614113	
Diesel Range Organics (C10-C28)	37.9	25.0	1	04/02/26	04/03/26	
Oil Range Organics (C28-C36)	ND	50.0	1	04/02/26	04/03/26	
<i>Surrogate: n-Nonane</i>		95.0 %	69-135	04/02/26	04/03/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2614138	
Chloride	185	20.0	1	04/03/26	04/03/26	



QC Summary Data

Matador Production Company 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Amoco 1 Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/7/2026 4:41:49PM
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Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2614095-BLK1)

Prepared: 04/02/26 Analyzed: 04/04/26

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.44		8.00		105	70-130			

LCS (2614095-BS1)

Prepared: 04/02/26 Analyzed: 04/04/26

Benzene	4.35	0.0250	5.00		87.1	70-130			
Ethylbenzene	4.13	0.0250	5.00		82.5	70-130			
Toluene	4.29	0.0250	5.00		85.8	70-130			
o-Xylene	4.22	0.0250	5.00		84.4	70-130			
p,m-Xylene	8.43	0.0500	10.0		84.3	70-130			
Total Xylenes	12.7	0.0250	15.0		84.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	70-130			

Matrix Spike (2614095-MS1)

Source: E604013-03

Prepared: 04/02/26 Analyzed: 04/04/26

Benzene	4.98	0.0250	5.00	ND	99.6	70-130			
Ethylbenzene	4.67	0.0250	5.00	ND	93.4	70-130			
Toluene	4.85	0.0250	5.00	ND	97.0	70-130			
o-Xylene	4.78	0.0250	5.00	ND	95.6	70-130			
p,m-Xylene	9.51	0.0500	10.0	ND	95.1	70-130			
Total Xylenes	14.3	0.0250	15.0	ND	95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

Matrix Spike Dup (2614095-MSD1)

Source: E604013-03

Prepared: 04/02/26 Analyzed: 04/06/26

Benzene	4.48	0.0250	5.00	ND	89.7	70-130	10.5	20	
Ethylbenzene	4.44	0.0250	5.00	ND	88.9	70-130	4.98	20	
Toluene	4.54	0.0250	5.00	ND	90.8	70-130	6.64	20	
o-Xylene	4.54	0.0250	5.00	ND	90.8	70-130	5.18	20	
p,m-Xylene	9.08	0.0500	10.0	ND	90.8	70-130	4.63	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.8	70-130	4.81	20	
Surrogate: 4-Bromochlorobenzene-PID	8.41		8.00		105	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2026 4:41:49PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2614095-BLK1)

Prepared: 04/02/26 Analyzed: 04/04/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.4	70-130			

LCS (2614095-BS2)

Prepared: 04/02/26 Analyzed: 04/04/26

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	62-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130			

Matrix Spike (2614095-MS2)

Source: E604013-03 Prepared: 04/02/26 Analyzed: 04/04/26

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0	ND	111	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			

Matrix Spike Dup (2614095-MSD2)

Source: E604013-03 Prepared: 04/02/26 Analyzed: 04/04/26

Gasoline Range Organics (C6-C10)	58.6	20.0	50.0	ND	117	60-137	5.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.07		8.00		101	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2026 4:41:49PM

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 (2614113-BLK1)

Prepared: 04/02/26 Analyzed: 04/02/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	51.1		50.0		102	69-135			

LCS (2614113-BS1)

Prepared: 04/02/26 Analyzed: 04/02/26

Diesel Range Organics (C10-C28)	258	25.0	250		103	70-131			
Surrogate: <i>n</i> -Nonane	47.2		50.0		94.5	69-135			

Matrix Spike (2614113-MS1)

Source: E604008-04

Prepared: 04/02/26 Analyzed: 04/02/26

Diesel Range Organics (C10-C28)	286	25.0	250	ND	115	62-151			
Surrogate: <i>n</i> -Nonane	51.8		50.0		104	69-135			

Matrix Spike Dup (2614113-MSD1)

Source: E604008-04

Prepared: 04/02/26 Analyzed: 04/02/26

Diesel Range Organics (C10-C28)	284	25.0	250	ND	113	62-151	0.914	20	
Surrogate: <i>n</i> -Nonane	52.6		50.0		105	69-135			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Federal TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	4/7/2026 4:41:49PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2614138-BLK1)					Prepared: 04/03/26 Analyzed: 04/03/26				
Chloride	ND	20.0							
LCS (2614138-BS1)					Prepared: 04/03/26 Analyzed: 04/03/26				
Chloride	274	20.0	250		110	90-110			
Matrix Spike (2614138-MS1)					Source: E604012-05		Prepared: 04/03/26 Analyzed: 04/03/26		
Chloride	5300	100	250	5350	NR	80-120			M4
Matrix Spike Dup (2614138-MSD1)					Source: E604012-05		Prepared: 04/03/26 Analyzed: 04/03/26		
Chloride	5900	100	250	5350	221	80-120	10.7	20	M4

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

Matador Production Company	Project Name:	Amoco 1 Federal TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	04/07/26 16:41

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Page 11 of 12

Envirotech Analytical Laboratory

Printed: 4/2/2026 3:01:22PM

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:	Matador Production Company	Date Received:	04/02/26 05:00	Work Order ID:	E604011
Phone:	(972) 371-5200	Date Logged In:	04/02/26 06:31	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	04/08/26 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Production Company

Project Name: Amoco 1 Fed TB

Work Order: E603112

Job Number: 23003-0002

Received: 3/12/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/17/26

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: 3/17/26

Ashley Giovengo
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240



Project Name: Amoco 1 Fed TB
Workorder: E603112
Date Received: 3/12/2026 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/12/2026 8:00:00AM, under the Project Name: Amoco 1 Fed TB.

The analytical test results summarized in this report with the Project Name: Amoco 1 Fed TB 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

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/17/26 10:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BF01-0'	E603112-01A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.
BF02-0'	E603112-02A	Soil	03/10/26	03/12/26	Glass Jar, 2 oz.



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/17/2026 10:52:43AM

BF01-0'

E603112-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2611139	
Benzene	ND	0.0250	1	03/12/26	03/13/26	
Ethylbenzene	ND	0.0250	1	03/12/26	03/13/26	
Toluene	ND	0.0250	1	03/12/26	03/13/26	
o-Xylene	ND	0.0250	1	03/12/26	03/13/26	
p,m-Xylene	ND	0.0500	1	03/12/26	03/13/26	
Total Xylenes	ND	0.0250	1	03/12/26	03/13/26	
Surrogate: Bromofluorobenzene		103 %	70-130	03/12/26	03/13/26	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	03/12/26	03/13/26	
Surrogate: Toluene-d8		102 %	70-130	03/12/26	03/13/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2611139	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/13/26	
Surrogate: Bromofluorobenzene		103 %	70-130	03/12/26	03/13/26	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	03/12/26	03/13/26	
Surrogate: Toluene-d8		102 %	70-130	03/12/26	03/13/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: CJB		Batch: 2611162	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/26	03/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/26	03/13/26	
Surrogate: n-Nonane		91.6 %	61-141	03/13/26	03/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2611173	
Chloride	39.4	20.0	1	03/13/26	03/13/26	



Sample Data

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX, 75240

Project Name: Amoco 1 Fed TB
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/17/2026 10:52:43AM

BF02-0'

E603112-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2611139
Benzene	ND	0.0250	1	03/12/26	03/13/26	
Ethylbenzene	ND	0.0250	1	03/12/26	03/13/26	
Toluene	ND	0.0250	1	03/12/26	03/13/26	
o-Xylene	ND	0.0250	1	03/12/26	03/13/26	
p,m-Xylene	ND	0.0500	1	03/12/26	03/13/26	
Total Xylenes	ND	0.0250	1	03/12/26	03/13/26	
Surrogate: Bromofluorobenzene		103 %	70-130	03/12/26	03/13/26	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/12/26	03/13/26	
Surrogate: Toluene-d8		103 %	70-130	03/12/26	03/13/26	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2611139
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/12/26	03/13/26	
Surrogate: Bromofluorobenzene		103 %	70-130	03/12/26	03/13/26	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	03/12/26	03/13/26	
Surrogate: Toluene-d8		103 %	70-130	03/12/26	03/13/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: CJB		Batch: 2611162
Diesel Range Organics (C10-C28)	ND	25.0	1	03/13/26	03/13/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/13/26	03/13/26	
Surrogate: n-Nonane		91.5 %	61-141	03/13/26	03/13/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2611173
Chloride	ND	20.0	1	03/13/26	03/13/26	



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/17/2026 10:52:43AM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2611139-BLK1)

Prepared: 03/12/26 Analyzed: 03/13/26

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	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2611139-BS1)

Prepared: 03/12/26 Analyzed: 03/13/26

Benzene	2.08	0.0250	2.50		83.1	70-130			
Ethylbenzene	2.16	0.0250	2.50		86.5	70-130			
Toluene	2.18	0.0250	2.50		87.2	70-130			
o-Xylene	2.24	0.0250	2.50		89.5	70-130			
p,m-Xylene	4.41	0.0500	5.00		88.1	70-130			
Total Xylenes	6.65	0.0250	7.50		88.6	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

Matrix Spike (2611139-MS1)

Source: E603116-04

Prepared: 03/12/26 Analyzed: 03/13/26

Benzene	2.25	0.0250	2.50	ND	89.9	48-131			
Ethylbenzene	2.28	0.0250	2.50	ND	91.2	45-135			
Toluene	2.29	0.0250	2.50	ND	91.4	48-130			
o-Xylene	2.26	0.0250	2.50	ND	90.6	43-135			
p,m-Xylene	4.55	0.0500	5.00	ND	91.0	43-135			
Total Xylenes	6.81	0.0250	7.50	ND	90.8	43-135			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2611139-MSD1)

Source: E603116-04

Prepared: 03/12/26 Analyzed: 03/13/26

Benzene	2.31	0.0250	2.50	ND	92.5	48-131	2.87	23	
Ethylbenzene	2.33	0.0250	2.50	ND	93.2	45-135	2.10	27	
Toluene	2.33	0.0250	2.50	ND	93.0	48-130	1.76	24	
o-Xylene	2.47	0.0250	2.50	ND	98.7	43-135	8.64	27	
p,m-Xylene	4.86	0.0500	5.00	ND	97.2	43-135	6.58	27	
Total Xylenes	7.33	0.0250	7.50	ND	97.7	43-135	7.27	27	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/17/2026 10:52:43AM

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 (2611139-BLK1)

Prepared: 03/12/26 Analyzed: 03/13/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

LCS (2611139-BS2)

Prepared: 03/12/26 Analyzed: 03/13/26

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2611139-MS2)

Source: E603116-04

Prepared: 03/12/26 Analyzed: 03/13/26

Gasoline Range Organics (C6-C10)	59.8	20.0	50.0	ND	120	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

Matrix Spike Dup (2611139-MSD2)

Source: E603116-04

Prepared: 03/12/26 Analyzed: 03/13/26

Gasoline Range Organics (C6-C10)	59.4	20.0	50.0	ND	119	70-130	0.634	20	
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/17/2026 10:52:43AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: CJB

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 (2611162-BLK1)					Prepared: 03/13/26 Analyzed: 03/13/26				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.4		50.0		88.9	61-141			

LCS (2611162-BS1)					Prepared: 03/13/26 Analyzed: 03/13/26				
Diesel Range Organics (C10-C28)	241	25.0	250		96.3	66-144			
Surrogate: n-Nonane	45.7		50.0		91.4	61-141			

Matrix Spike (2611162-MS1)					Source: E603105-25		Prepared: 03/13/26 Analyzed: 03/13/26		
Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.0	56-156			
Surrogate: n-Nonane	44.4		50.0		88.8	61-141			

Matrix Spike Dup (2611162-MSD1)					Source: E603105-25		Prepared: 03/13/26 Analyzed: 03/13/26		
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	56-156	3.07	20	
Surrogate: n-Nonane	46.1		50.0		92.3	61-141			



QC Summary Data

Matador Production Company	Project Name:	Amoco 1 Fed TB	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	3/17/2026 10:52:43AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2611173-BLK1)					Prepared: 03/13/26 Analyzed: 03/13/26				
Chloride	ND	20.0							
LCS (2611173-BS1)					Prepared: 03/13/26 Analyzed: 03/13/26				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2611173-MS1)					Source: E603105-24		Prepared: 03/13/26 Analyzed: 03/13/26		
Chloride	266	20.0	250	ND	106	80-120			
Matrix Spike Dup (2611173-MSD1)					Source: E603105-24		Prepared: 03/13/26 Analyzed: 03/13/26		
Chloride	267	20.0	250	ND	107	80-120	0.178	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

Matador Production Company	Project Name:	Amoco 1 Fed TB	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	03/17/26 10:52

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

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

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

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Amoco #1 Fed TB				Address: 3122 National Parks Hwy		E603/12	23003-0002				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.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	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
839	3/10/2026	S	1	BF01 - 0'		1								X					
842	3/10/2026	S	1	BF02 - 0'		2								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmccauley@ensolum.com, akone@ensolum.com, jgonzalez@ensolum.com, jhinkle@ensolum.com, eplugge@ensolum.com																			
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: Jarad McCauley																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N													
Michelle Gonzales	3-11-26	16:00	Michelle Gonzales	3-11-26	0711														
Michelle Gonzales	3-11-26	1515	Marissa Gonzales	3-11-26	1515														
Marissa Gonzales	3-11-26	1910	Johnny Archuleta	3-11-26	1910														
Johnny Archuleta	3-11-26	2230	Cathy Man	3-12-26	800														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 3/12/2026 10:17:26AM

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:	Matador Production Company	Date Received:	03/12/26 08:00	Work Order ID:	E603112
Phone:	(972) 371-5200	Date Logged In:	03/11/26 16:02	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/18/26 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

From: [Velez, Nelson, EMNRD](#)
To: [Chad Hamilton](#)
Cc: [Jason Touchet](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#); [Buchanan, Michael, EMNRD](#)
Subject: Re: [EXTERNAL] Matador Production Company - Amoco 1 Federal TB - Incident Number nAPP2521030181
Date: Tuesday, October 28, 2025 10:01:34 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[Outlook-ib2qotrb.png](#)

[**EXTERNAL EMAIL**]

Good morning Chad,

Thank you for the correspondence. Your 90-day time extension is approved. Remediation Due date has been updated to January 26, 2026.

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

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

Regards,

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



From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Monday, October 27, 2025 3:23 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Matador Production Company - Amoco 1 Federal TB - Incident Number nAPP2521030181

FYI.

From: Chad Hamilton <chamilton@ensolum.com>
Sent: Monday, October 27, 2025 3:01 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jason Touchet <jason.touchet@matadorresources.com>; Ashley Giovengo

<agiovengo@ensolum.com>

Subject: [EXTERNAL] Matador Production Company - Amoco 1 Federal TB - Incident Number nAPP2521030181

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

All,

Matador Production Company (Matador) is requesting an extension of the current deadline of October 27, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Amoco 1 Federal TB (Site) (Incident Number nAPP2521030181). The release occurred on July 28, 2025, and approximately 21 barrels (bbls) of crude oil were released into an earthen containment, onto the pad surface, and into the adjacent pasture; 10 bbls were recoverable and 11 bbls were unrecoverable. Ensolum personnel have completed lateral and vertical delineation soil sampling within and around the release extent with a hand auger. Ensolum personnel collected discrete delineation soil samples from boreholes (BH01 through BH08) at depths ranging from ground surface to 13 feet below ground surface (bgs), respectively. Matador respectfully requests a 90-day extension until January 23, 2026. Matador will submit a remediation work plan or closure report upon completion of excavation activities and receiving final laboratory analytical data from confirmation sampling activities. Please let me know if you have any further questions regarding this site.

Thanks,



Chad Hamilton

Project Geologist

940-923-0072

Ensolum, LLC

in f 

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 489496

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 489496
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Amoco 1 Federal TB
Date Release Discovered	07/28/2025
Surface Owner	Private

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion Separator Crude Oil Released: 21 BBL Recovered: 10 BBL Lost: 11 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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)	Vertical heater treater developing a 12-inch horizontal split on the bottom of the vessel causing an unexpected release.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 489496

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 489496
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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ACKNOWLEDGMENTS

Action 489496

ACKNOWLEDGMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 489496
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that 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.
☒	I acknowledge the fact that, 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.

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CONDITIONS

Action 489496

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 489496
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/29/2025

Impacted Soil Within Berm	
Saturated Soil (inches)	
	0.5
Area (sq. ft.)	
	877.3
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
	10
Soil type	
	Sand
Spill type	
	oil/produced water
Barrel estimate in soil	
	2.4
Barrel estimate (standing fluids/ recovered+in soil)	
	12.4

Impacted Soil Off-Pad Area 1	
Saturated Soil (inches)	
	0.25
Area (sq. ft.)	
	1445.9
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
Soil type	
	Sand
Spill type	
	oil/produced water
Barrel estimate in soil	
	2.0
Barrel estimate (standing fluids/ recovered+in soil)	
	2.0

Impacted Soil Off-Pad Area 2	
Saturated Soil (inches)	
	0.25
Area (sq. ft.)	
	3047.7
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
Soil type	
	Sand
Spill type	
	oil/produced water
Barrel estimate in soil	
	4.2
Barrel estimate (standing fluids/ recovered+in soil)	
	4.2

Impacted Soil Overspray	
Saturated Soil (inches)	
	0.21875
Area (sq. ft.)	
	7654
Standing fluids	
inches of standing fluid	
	0
bbl estimate of standing fluids	
barrels recovered (if known)	
Soil type	
	Sand
Spill type	
	oil(crude)
Barrel estimate in soil	
	2.7
Barrel estimate (standing fluids/ recovered+in soil)	
	2.7

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QUESTIONS

Action 489591

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 489591
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2521030181
Incident Name	NAPP2521030181 AMOCO 1 FEDERAL TB @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Amoco 1 Federal TB
Date Release Discovered	07/28/2025
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Corrosion Separator Crude Oil Released: 21 BBL Recovered: 10 BBL Lost: 11 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	Vertical heater treater developing a 12-inch horizontal split on the bottom of the vessel causing an unexpected release.

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QUESTIONS, Page 2

Action 489591

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 489591
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/29/2025
--	--

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QUESTIONS, Page 3

Action 489591

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 489591
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 489591

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 489591
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	7/29/2025

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QUESTIONS

Action 586000

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 586000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2521030181
Incident Name	NAPP2521030181 AMOCO 1 FEDERAL TB @ K-01-18S-32E
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	AMOCO 1 FEDERAL TB
Date Release Discovered	07/28/2025
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Corrosion Separator Crude Oil Released: 21 BBL Recovered: 10 BBL Lost: 11 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	Vertical heater treater developing a 12-inch horizontal split on the bottom of the vessel causing an unexpected release.

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QUESTIONS, Page 2

Action 586000

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 586000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 05/18/2026
--	--

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QUESTIONS, Page 3

Action 586000

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 586000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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	Between ½ and 1 (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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	13800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	33599
GRO+DRO (EPA SW-846 Method 8015M)	23989
BTEX (EPA SW-846 Method 8021B or 8260B)	312
Benzene (EPA SW-846 Method 8021B or 8260B)	8
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/09/2026
On what date will (or did) the final sampling or liner inspection occur	03/31/2026
On what date will (or was) the remediation complete(d)	03/31/2026
What is the estimated surface area (in square feet) that will be reclaimed	9200
What is the estimated volume (in cubic yards) that will be reclaimed	570
What is the estimated surface area (in square feet) that will be remediated	10352
What is the estimated volume (in cubic yards) that will be remediated	630
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 586000

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 586000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
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	Yes
What is the name of the NMED facility	Lea Land LLC
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 05/18/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 586000

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 586000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 586000

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 586000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	576340
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/18/2026
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	1661

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	10352
What was the total volume (cubic yards) remediated	630
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	9200
What was the total volume (in cubic yards) reclaimed	570
Summarize any additional remediation activities not included by answers (above)	Based on the remedial actions completed to date, Matador believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2521030181.
<i>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>	
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: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 05/18/2026

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 586000

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 586000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 586000

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 586000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	7/10/2026