



January 26, 2026

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
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 *Remediation Work Plan (RWP)* to document assessment and soil sampling activities performed at the Amoco 1 Federal TB (Site) and proposing additional delineation and remedial actions. The purpose of the Site assessment and soil sampling activities was to address waste-containing soil resulting from a crude oil release. Matador is submitting this *RWP*, describing analytical results from soil sampling activities associated with Incident Number nAPP2521030181 and proposing excavation of the subject matter release prior to submitting a *Closure Request*.

BACKGROUND

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, a 12-inch crack developed on a vertical heater treater resulting in the release of approximately 21 barrels (bbls) of crude oil onto the caliche pad and the adjacent pasture; 10 bbls of produced water were recovered, 11 bbls of crude oil were unrecoverable. Matador reported the release via Notification of Release (NOR) to the New Mexico Oil Conservation Division (NMOCD) on July 29, 2025, and submitted an Initial C-141 Report (C-141) on the same day. The release was assigned Incident Number nAPP2521030181.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Site Assessment/Characterization is described below.

The closest permitted groundwater well with available depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring CP-2085 POD1, located approximately 1.32 miles east of the Site. The soil boring was advanced to a total depth of 55 feet bgs with no water encountered. 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 identified are presented in Figure 1. The referenced Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an ephemeral stream, located approximately 0.62 miles southeast 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).

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

Excavation and soil sampling activities (if warranted) will be completed in accordance with 19.15.29 NMAC.

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on July 30, 2025, Ensolum personnel were onsite to delineate the lateral and vertical extent of the release as indicated by field observations and information provided in the C-141. A total of 18 lateral soil samples (SS01 through SS18) were collected at ground surface and 1-foot bgs beyond the edge of the observed release extent. Eight delineation boreholes (BH01 through BH08) were advanced within the release extent, via hand auger, to determine the vertical extent of impacts to the soil. Boreholes BH01, BH02, and BH07 were advanced to a terminal depth of 3 feet bgs, borehole BH03 was advanced to a depth of 15 feet bgs, borehole BH04 was advanced to a depth of 2 feet bgs, borehole BH05 was advanced to a depth of 7 feet bgs, borehole BH06 was advanced to a depth of 6 feet bgs, and borehole BH08 was advanced to a depth of 4 feet bgs. All delineation soil samples were field screened for chloride utilizing Hach® Chloride QuanTab® test strips and for TPH utilizing a PetroFLAG® Soil Analyzer System, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Photographic documentation of delineation activities is included in Appendix C.

All 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. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS18 were all in compliance with the strictest Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results for boreholes BH01, BH03, BH06, and BH08 indicated COC concentrations were in compliance with the strictest Closure Criteria at 3 feet bgs. Laboratory analytical results for boreholes BH02 and BH05 indicated COC concentrations were in compliance with the strictest Closure Criteria at 2 feet bgs.

Laboratory analytical results for borehole BH04 indicated COC concentrations were in compliance with the strictest Closure Criteria at 1-foot bgs. Laboratory analytical results for borehole BH07 indicated COC concentrations were in compliance with the strictest Closure Criteria at ground surface. Laboratory results are summarized in Table 1 and laboratory analytical reports are included in Appendix D.

PROPOSED REMEDIATION WORK PLAN

Matador proposes to complete excavation activities at the Site according to the following actions:

- Matador intends to complete a depth to water soil boring to establish depth to groundwater within a 1/2-mile radius of the Site. The soil boring will be advanced to a depth of approximately 101 feet bgs and install temporary casing. The soil boring will be left open for at least 72 hours to allow for potential ground water to equilibrate within the casing and measured utilizing a water interface probe.
- Upon completion of the depth to water boring and confirmation groundwater beneath the Site is greater than 51 feet bgs or greater than 101 feet bgs, excavate impacted and waste-containing soil to a depth determined by the re-evaluated Site Closure Criteria based solely on determination of depth to groundwater and the absence of any other sensitive receptor related to the Site. Matador believes these actions will be equally protective of human health, the environment, and groundwater.
- The impacted area measures 10,261 square feet (sq ft) in size and an estimated 891 cubic yards of impacted soil will require excavation, assuming no sensitive receptors are associated with the Site and depth to groundwater is confirmed to be greater than 101 feet bgs, respectively. This work will include addressing TPH and chloride impacted soil identified in boreholes BH01 through BH06 and BH08 at depths ranging from 0.5 feet to 4 feet bgs, see Figure 3.
- Excavate any impacted or waste-containing soil from within the release extent to the maximum extent practicable (MEP). Impacted and/or waste-containing soil will be transferred to an approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions.
- If there are areas to be deferred on pad due to the presence of equipment and/or pipelines, such as those under a lined secondary containment, lateral delineation samples will be collected to properly quantify the residual soil impacts that will be addressed during major Site reconstruction or following plugging and abandonment of the well and reclamation of the well pad.

Matador will complete the proposed excavation and soil sampling activities within 180 days of the date of approval of this *RWP* by the NMOCD.

Matador Production Company
Remediation Work Plan
Amoco 1 Federal TB



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".

Chad Hamilton
Project Geologist

A handwritten signature in black ink, appearing to read "DANIEL R. MOIR".

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

cc: Jason Touchet, Matador

Appendices:

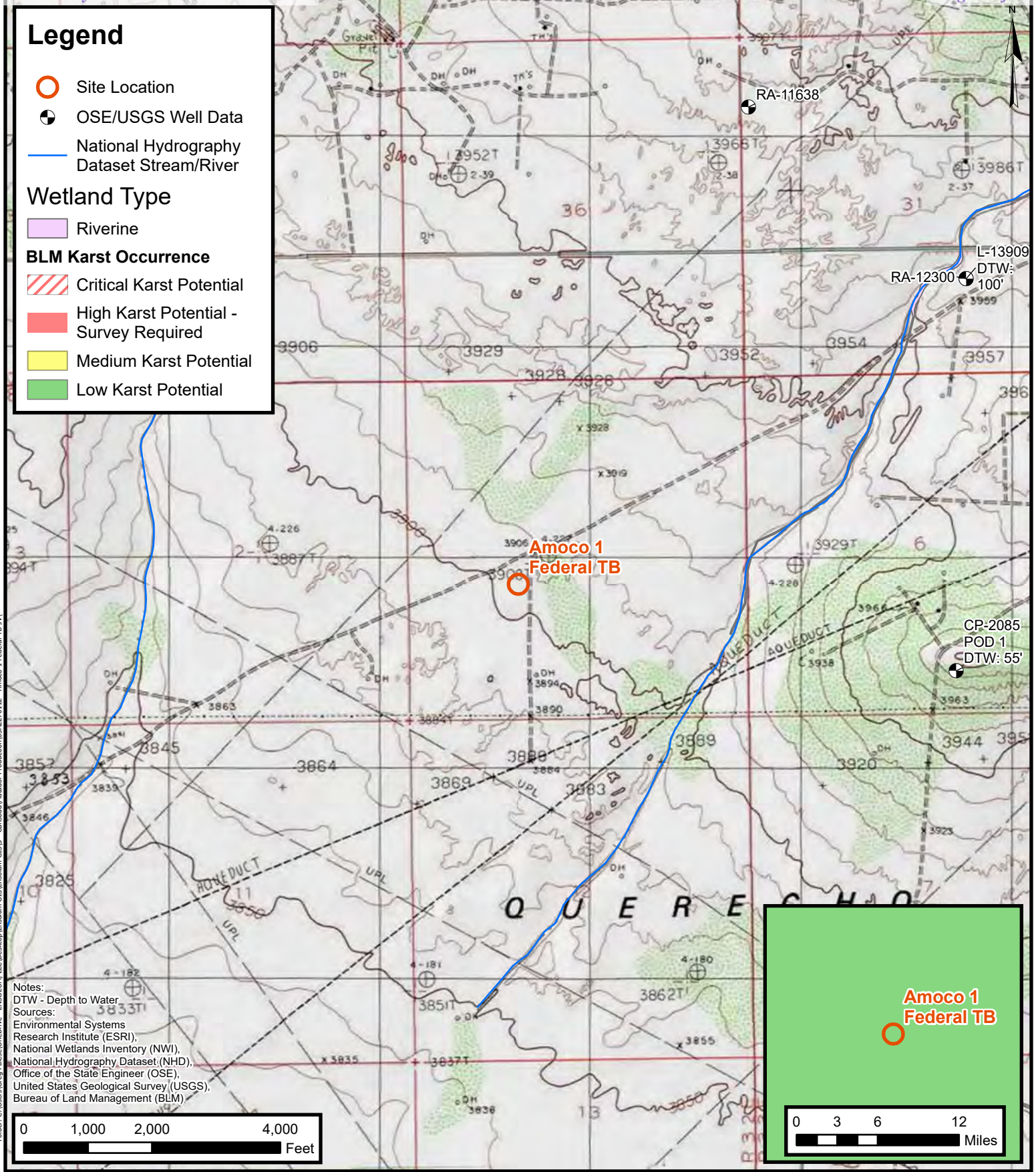
- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Proposed Excavation Extent

- Table 1 Soil Sample Analytical Results

- Appendix A Well Record and Log
- Appendix B Lithologic Soil Sampling Logs
- Appendix C Photographic Log
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix E NMOCD Correspondence



FIGURES

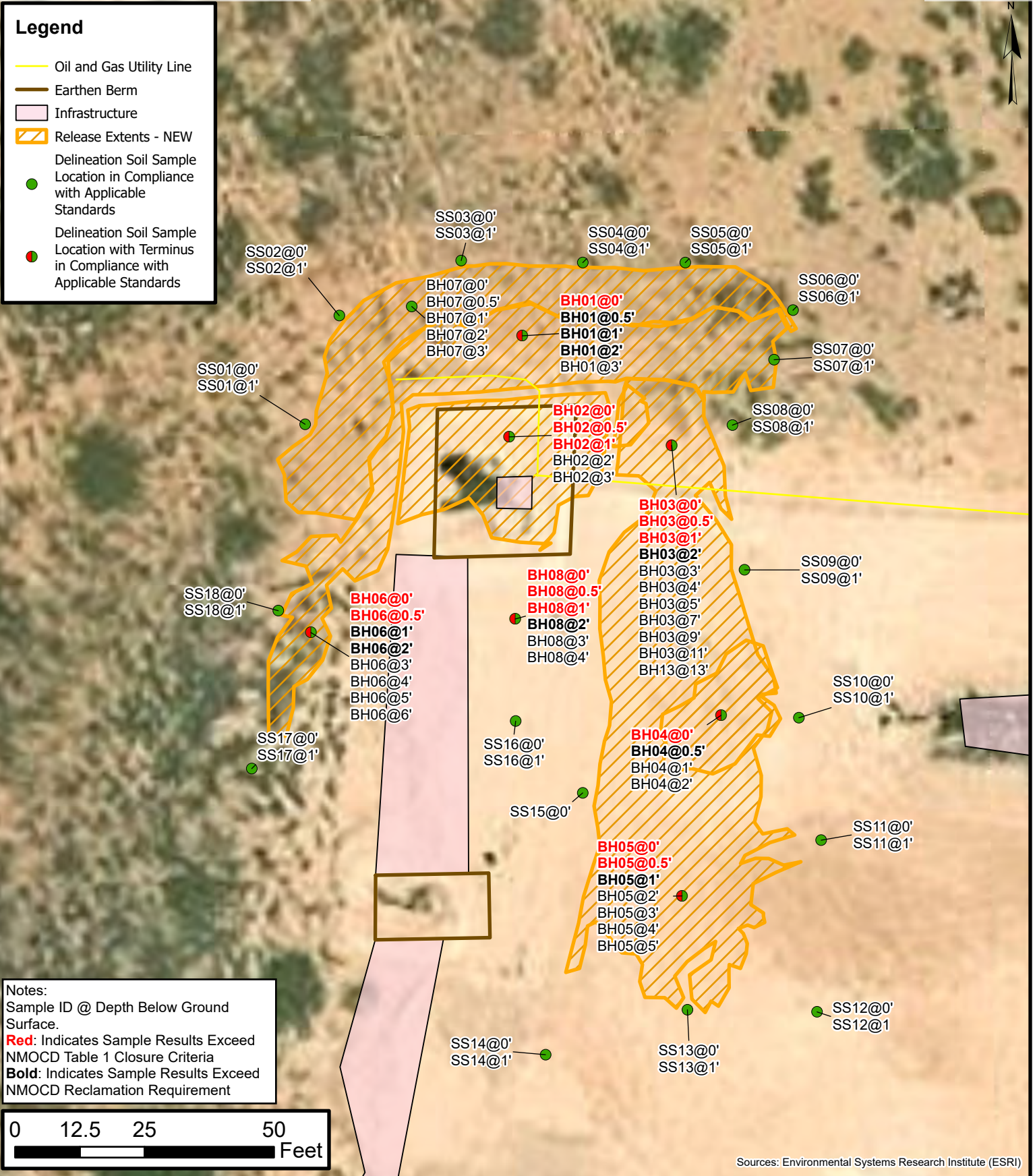


Site Location Map

Matador Production Company
 Amoco 1 Federal TB
 Incident Number: nAPP2521030181
 Unit K, Section 01, T 18S, R 32E
 Lea County, New Mexico

FIGURE
1



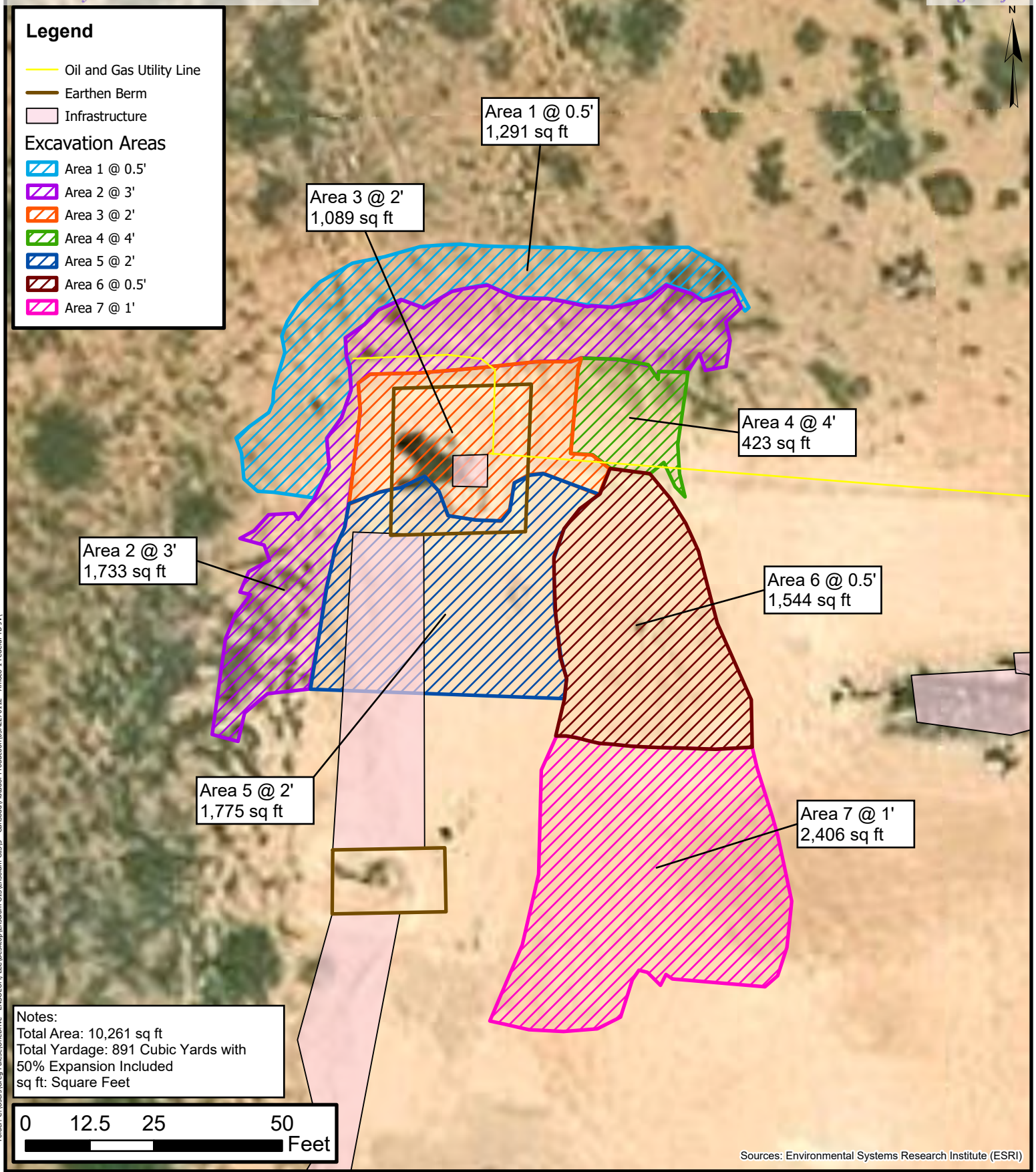


Delineation Soil Sample Locations

Matador Production Company
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 Unit K, Section 01, T 18S, R 32E
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FIGURE
2





Excavation Dig Plan

Matador Production Company
 Amoco 1 Federal TB
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 Unit K, Section 01, T 18S, R 32E
 Lea County, New Mexico

FIGURE

3





TABLES



TABLE 1
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 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 - CONT'D
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 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	8/5/2025 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

TABLE 1 - CONT'D
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 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

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

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



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-02085		
	WELL OWNER NAME(S) Matador Production Company				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 5400 Lyndon B Johnson FWY Suite 1500				CITY Dallas	STATE TX	ZIP 75240
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 46	SECONDS 15.7908	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE 103	42	2.6928	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S6 T18s R33e							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862	NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 8-28-25	DRILLING ENDED 8-28-25	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 9-2-25	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl) 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)
	0' 55'		6'	No casing left in hole			
OSE DII ROSWELL NM 10 SEP '25 PM 1:20							
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				N/A			

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO. CP-2085	POD NO. 1	TRN NO. 790 249			
LOCATION 18S. 33E. 06 334	WELL TAG ID NO. NA	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <i>(attach supplemental sheets to fully describe all units)</i>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0'	5'	5'	Caliche	Y ✓ N	
	5'	10'	5'	Sandy Caliche	Y ✓ N	
	10'	55'	45'	Red Sandy Clay	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: DTGW Bore					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 9-2-25. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface. Santa Fe Exploration #1	
	<div style="text-align: right; font-weight: bold; color: blue;"> OSE DII ROSWELL NM 10 SEP '25 PM1:20 </div>	


6. SIGNATURE	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer	
	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	_____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	_____ DATE


FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO. CP-2085	POD NO. 1	TRN NO. 790249			
LOCATION 188.33E.06 334	WELL TAG ID NO. NA	PAGE 2 OF 2			





APPENDIX B


Lithologic Soil Sampling Logs


					Sample Name: BH01		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: 32.775044, -103.722901					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		0 - 2' - Silty Sand - Poorly Graded, Light Brown to Red, Fine, Non-plastic, Noncohesive, Uniform, Massive, Sharp
D			N	BH01	0.5			
D			N	BH01	1	1	SP-SM	
D	<169	439	N	BH01	2	2		2 - 3' - Organic Clay - Poorly Graded, Red to Dark Red, Very Fine, Low plasticity, Cohesive, Uniform, Massive
D	<169	34	N	BH01	3	3	CL	
Total Depth @ 3 feet bgs.								


					Sample Name: BH02		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: 32.774991, -103.722910					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					

					Sample Name: BH04		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: 32.774842, -103.722779					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.								

					Sample Name: BH05		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: 32.774746, -103.722805					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.								

					Sample Name: BH06		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: 32.774888, -103.723036					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				
D	<169	91	N	BH06	6	6	CCHE	5' - 6' - Caliche - White to Light Brown, Very Fine, Non-Plastic, Noncohesive, Uniform, Massive, Gradational		
Total Depth @ 6 feet bgs.										

					Sample Name: BH07		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: 32.775061, -103.722970					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

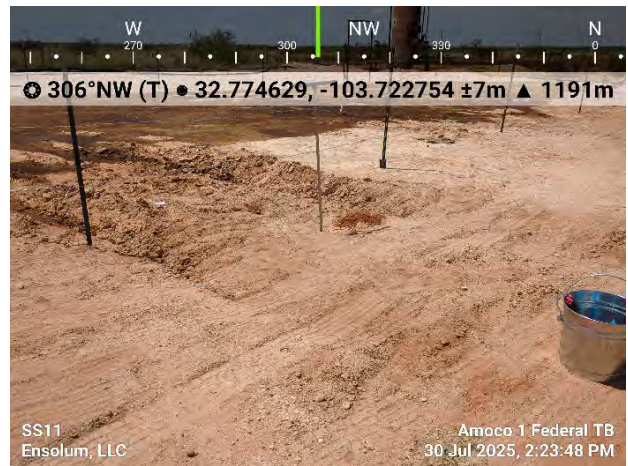
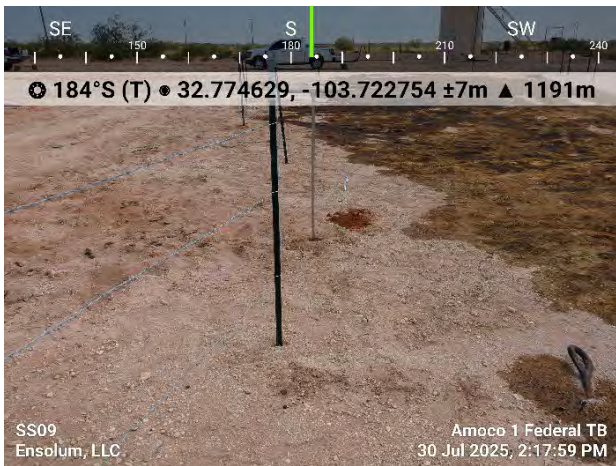


Photographic Log
Matador Production Company
Amoco 1 Federal TB
nAPP2521030181



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



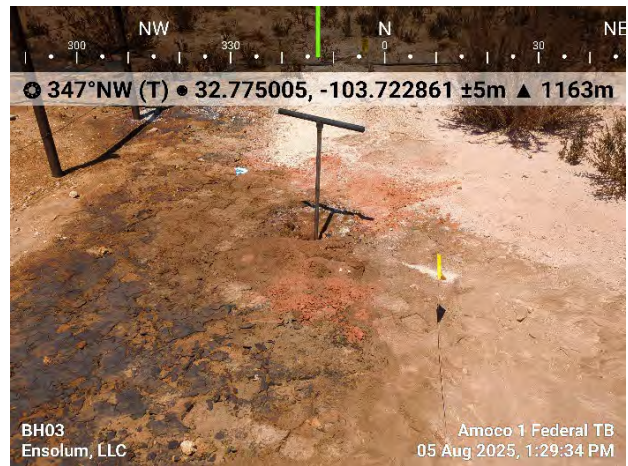
Photograph 9 Date: 7/31/2025
Description: SS01
View: Southeast



Photograph 10 Date: 7/31/2025
Description: SS04
View: South



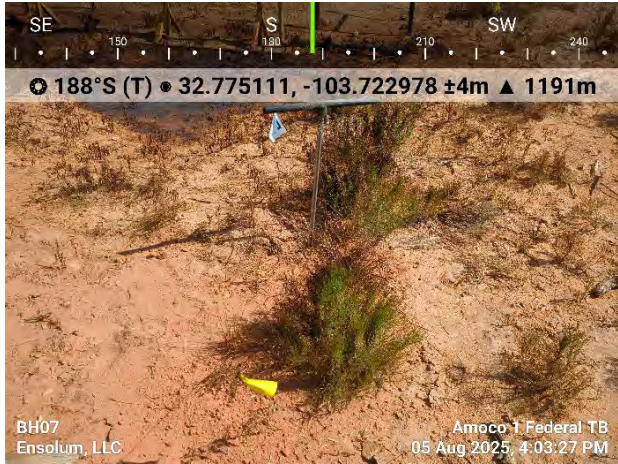
Photograph 11 Date: 7/31/2025
Description: SS15
View: Southwest



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



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
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 Fed TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 08/07/25 08:51
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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
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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
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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	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	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>		102 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	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>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	08/01/25	08/04/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	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>		99.5 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	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>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	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>		99.8 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	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>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	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>		101 %	70-130	08/01/25	08/04/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	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>		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. 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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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. 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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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. 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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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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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							
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LCS (2531167-BS1)

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

Chloride	255	20.0	250		102	90-110			
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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
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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
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QC Summary Report Comment:

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



Definitions and Notes

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
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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

Released to Imaging: 3/10/2026 7:31:09 AM

Page 16 of 17

Received by OCD: 1/26/2026 1:55:35 PM

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: Amoco 1 Fed TB				Address: 3122 National Parks Hwy				E507358		23003-002					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	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	PWSID #	
15:55	7/30/2025	S	1	SS01-0'		1						X						Y	or	N
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: Abou Bakar Kone																				
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: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C _____												
<i>[Signature]</i>		7/31/25	10:00	<i>Michelle Gonzales</i>		7-31-25	1000													
<i>Michelle Gonzales</i>		7-31-25	1445	<i>Marissa Gonzales</i>		7-31-25	1445													
<i>Marissa Gonzales</i>		7-31-25	1825	<i>[Signature]</i>		7-31-25	1825													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
<i>[Signature]</i>		7.31.25	2236	<i>Caitlin Mar</i>		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

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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: agiovengo@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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? 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
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: 08/08/25 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
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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
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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
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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
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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
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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
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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. 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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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. 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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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. 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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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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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. 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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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference



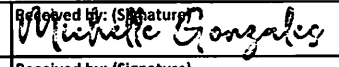

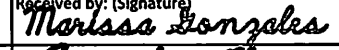


DNI Did Not Ignite

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				E508010		23013-0002					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
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, iestrella@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: <u>Jarad McCauley</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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: 							
		08/10/25		0800				8-1-25		0800									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
		8-1-25		1415				8-1-25		1415									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
		8-1-25		2200				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 8:30:19AM

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: 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

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 Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
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
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: 08/08/25 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
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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. 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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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. 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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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. 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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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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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. 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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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 Project Name: Amoco 1 Federal TB Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com	Company: Ensolum LLC Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com Miscellaneous:	Lab WO# E508011 Job Number 23003-0002	1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Std <input checked="" type="checkbox"/>	NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX <input type="checkbox"/>

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					
1624	7/31/2025	S	1	SS08 - 1'		2								X					

Do not run for BGDOC unless SS08 - 0' is <100 TPH and <600 Cl

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: <u>Jarad McCauley</u>					
Relinquished by: (Signature) <i>JM</i>	Date <u>08/01/25</u>	Time <u>0800</u>	Received by: (Signature) <i>M. White Gonzalez</i>	Date <u>8-1-25</u>	Time <u>0800</u>
Relinquished by: (Signature) <i>Michelle Gonzalez</i>	Date <u>8-1-25</u>	Time <u>1415</u>	Received by: (Signature) <i>Marissa Gonzalez</i>	Date <u>8-1-25</u>	Time <u>1415</u>
Relinquished by: (Signature) <i>Marissa Gonzalez</i>	Date <u>8-1-25</u>	Time <u>2200</u>	Received by: (Signature) <i>Carlie Han</i>	Date <u>8-4-25</u>	Time <u>730</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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

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: 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

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 Instruction

Empty box for client instruction.

Comments/Resolution

Client Remarks- Do not run for BGDOC unless SS08-0 is <100 TPH and <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: E508012

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: 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
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: 08/08/25 14:57
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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
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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. 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
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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. 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
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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. 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
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -Nonane	49.9		50.0		99.8	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 2:57:57PM
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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 (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. 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
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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				<table border="1"> <thead> <tr> <th colspan="8">Analysis and Method</th> <th colspan="4">EPA Program</th> </tr> <tr> <td>DRO/ORO by 8015</td> <td>GRO/DRO by 8015</td> <td>BTEX by 8021</td> <td>VOC by 8260</td> <td>Chloride 300.0</td> <td>TCEQ 1005 - TX</td> <td>RCRA 8 Metals</td> <td>BGDOC - NM</td> <td>BGDOC - TX</td> <td>SDWA</td> <td>CWA</td> <td>RCRA</td> <td colspan="2">Compliance</td> <td>Y</td> <td>or</td> <td>N</td> </tr> <tr> <td colspan="8"></td> <td colspan="4">PWSID #</td> </tr> <tr> <td>Time Sampled</td> <td>Date Sampled</td> <td>Matrix</td> <td>No. of Containers</td> <td>Sample ID</td> <td>Field Filter</td> <td>Lab Number</td> <td>Sample Temp</td> <td>Remarks</td> <td colspan="8"></td> </tr> </thead> </table>								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 #				Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	Sample Temp	Remarks								
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																																																	
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	Sample Temp	Remarks																																																																	
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																																																																									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	Sample Temp	Remarks																																																																	
1226	7/31/2025	S	1	SS15 - 0'		1	3.8																																																																		
1633	7/31/2025	S	1	SS15 - 1'		2	4.1	Do not run for BGDOC unless SS15 - 0' is <100 TPH and <600 Cl																																																																	
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>JR</i>	08/01/25	0800	<i>Michelle Gonzales</i>	8-1-25	0800																																																																				
<i>Michelle Gonzales</i>	8-1-25	1415	<i>Marissa Gonzales</i>	8-1-25	1415																																																																				
<i>Marissa Gonzales</i>	8-1-25	2200	<i>Cherry Ann</i>	8-4-25	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: 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

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 Instruction

Empty box for client instruction.

Comments/Resolution

Client Remarks- Do not run for BGD0C 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.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/27/25

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
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: 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
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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
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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	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		111 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	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>		98.0 %	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>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.8 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		108 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.5 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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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	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		109 %	70-130	08/05/25	08/06/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	08/05/25	08/06/25	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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. 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
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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. 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
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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. 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
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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. 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
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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. 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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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		2303-0002					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	TEQ 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: <u>Jarad McCauley</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: <input checked="" type="radio"/> Y <input type="radio"/> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Jarad McCauley</i>	8/1/25	0800	<i>Michelle Gonzales</i>	8-1-25	0800						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	8-1-25	1415	<i>Marissa Gonzales</i>	8-1-25	1415						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Marissa Gonzales</i>	8-1-25	2200	<i>Michelle Gonzales</i>	8-4-25	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 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 1065 - 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'		10								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, lmccauley@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: Y/N													
<i>Jarad McCauley</i>	07/01/25	0800	<i>Michelle Gonzales</i>	8-1-25	0800														
<i>Michelle Gonzales</i>	8-1-25	1415	<i>Marissa Gonzales</i>	8-1-25	1415														
<i>Marissa Gonzales</i>	8-1-25	2200	<i>Michelle Gonzales</i>	8-4-25	1730														
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 8:39:06AM

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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? 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#		Job Number		1D		2D		3D		Std		NM		CO		UT		TX			
Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy				E508013		8303-0002										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
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 client
1605	7/31/2025	S	1	SS03 - 1'		3									X									3.8	for samples
1609	7/31/2025	S	1	SS04 - 1'		4									X									4.0	# 15316
1613	7/31/2025	S	1	SS05 - 1'		5									X									3.6	NS 10-27-25
1617	7/31/2025	S	1	SS06 - 1'		6									X									3.8	
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, chamilton@ensolum.com, bmoir@ensolum.com, jimccauley@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) <i>Jarad McCauley</i>	Date 08/21/25	Time 0800	Received by: (Signature) <i>Michelle Gonzales</i>	Date 8-1-25	Time 0800
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 8-1-25	Time 1415	Received by: (Signature) <i>Marissa Gonzales</i>	Date 8-1-25	Time 1415
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 8-1-25	Time 2200	Received by: (Signature) <i>John Han</i>	Date 8.4.25	Time 730
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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

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# E508013				Job Number 23008-002				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	BODOC - NM	BODOC - 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' NS SS18-0'			15								X								
1553	7/31/2025	S	1	SS20-1' 10-27-25 SS18-1'			10								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, 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) <i>Jarad McCauley</i>				Date	08/01/25	Time	0800	Received by: (Signature) <i>Michelle Gonzales</i>				Date	8-1-25	Time	0800	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: <input checked="" type="radio"/> Y / <input type="radio"/> N							
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date	8-1-25	Time	1415	Received by: (Signature) <i>Marissa Gonzales</i>				Date	8-1-25	Time	1415								
Relinquished by: (Signature) <i>Marissa Gonzales</i>				Date	8-1-25	Time	2200	Received by: (Signature) <i>Arthur</i>				Date	8-4-25	Time	730								
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.																							

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
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: 08/13/25 16:05
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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 I Federal TB Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 8/13/2025 4:05:15PM
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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. 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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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. 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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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (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. 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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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. 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
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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: Ashlev 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 1006 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
1202	8/5/2025	S	1	BH03 - 0'			1								X						
1204	8/5/2025	S	1	BH03 - 0.5'			2								X						
1206	8/5/2025	S	1	BH03 - 1'			3								X						
1208	8/5/2025	S	1	BH03 - 2'			4								X						
1210	8/5/2025	S	1	BH03 - 3'			5								X						
1212	8/5/2025	S	1	BH03 - 4'			6								X						
1214	8/5/2025	S	1	BH03 - 5'			7								X						
1228	8/5/2025	S	1	BH03 - 7'			8								X						
1250	8/5/2025	S	1	BH03 - 9'			9								X						
1300	8/5/2025	S	1	BH03 - 11'			10								X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jmcauley@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) <i>Jarad McCauley</i>				Date	08-06-25	Time		0800	Received by: (Signature) <i>Michelle Gonzales</i>				Date	8.6.25	Time		0800	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.			
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date	8.6.25	Time		1400	Received by: (Signature) <i>Marissa Gonzales</i>				Date	8.6.25	Time		1400				
Relinquished by: (Signature) <i>Marissa Gonzales</i>				Date	8.6.25	Time		1815	Received by: (Signature) <i>Andrew Musso</i>				Date	8.6.25	Time		1815				
Relinquished by: (Signature) <i>Andrew Musso</i>				Date	8.6.25	Time		2200	Received by: (Signature) <i>Caitlin Mar</i>				Date	8.7.25	Time		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				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, 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	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time
<i>Jarad McCauley</i>	8-6-25	0800	<i>Michelle Gonzales</i>	8-6-25	0800	<i>Michelle Gonzales</i>	8-6-25	0800	<i>Michelle Gonzales</i>	8-6-25	0800	<i>Michelle Gonzales</i>	8-6-25	0800	<i>Michelle Gonzales</i>	8-6-25	0800	<i>Michelle Gonzales</i>	8-6-25	0800
<i>Michelle Gonzales</i>	8-6-25	1400	<i>Marissa Gonzales</i>	8-6-25	1400	<i>Marissa Gonzales</i>	8-6-25	1400	<i>Marissa Gonzales</i>	8-6-25	1400	<i>Marissa Gonzales</i>	8-6-25	1400	<i>Marissa Gonzales</i>	8-6-25	1400	<i>Marissa Gonzales</i>	8-6-25	1400
<i>Marissa Gonzales</i>	8-6-25	1815	<i>Andreya Musso</i>	8-6-25	1815	<i>Andreya Musso</i>	8-6-25	1815	<i>Andreya Musso</i>	8-6-25	1815	<i>Andreya Musso</i>	8-6-25	1815	<i>Andreya Musso</i>	8-6-25	1815	<i>Andreya Musso</i>	8-6-25	1815
<i>Andreya Musso</i>	8-6-25	2200	<i>Caitlynn</i>	8-7-25	800	<i>Caitlynn</i>	8-7-25	800	<i>Caitlynn</i>	8-7-25	800	<i>Caitlynn</i>	8-7-25	800	<i>Caitlynn</i>	8-7-25	800	<i>Caitlynn</i>	8-7-25	800
<i>Caitlynn</i>																				
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: <input checked="" type="radio"/> Y <input type="radio"/> N																				
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: 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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? 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
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:
08/13/25 08:43

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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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. 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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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. 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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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. 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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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. 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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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. 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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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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -Nonane	67.5		50.0		135	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 8:43:56AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (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. 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 (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							
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LCS (2532146-BS1)

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

Chloride	257	20.0	250		103	90-110			
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Matrix Spike (2532146-MS1)

Source: E508074-04

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

Chloride	263	20.0	250	ND	105	80-120			
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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	
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QC Summary Report Comment:

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



Definitions and Notes

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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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	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
1447	8/5/2025	S	1	BH01 - 0'		1								X						
1450	8/5/2025	S	1	BH01 - 0.5'		2								X						
1455	8/5/2025	S	1	BH01 - 1'		3								X						
1458	8/5/2025	S	1	BH01 - 2'		4								X						
1501	8/5/2025	S	1	BH01 - 3'		5								X						
1430	8/5/2025	S	1	BH02 - 0'		6								X						
1432	8/5/2025	S	1	BH02 - 0.5'		7								X						
1436	8/5/2025	S	1	BH02 - 1'		8								X						
1438	8/5/2025	S	1	BH02 - 2'		9								X						
1442	8/5/2025	S	1	BH02 - 3'		10								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										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: <input checked="" type="checkbox"/> N							
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<i>Jarad McCauley</i>	8-6-25	0800	<i>Michelle Gonzales</i>	8-6-25	0800												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<i>Michelle Gonzales</i>	8-6-25	1400	<i>Marissa Gonzales</i>	8-6-25	1400												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<i>Marissa Gonzales</i>	8-6-25	1815	<i>Andrew Musso</i>	8-6-25	1815												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<i>Andrew Musso</i>	8-6-25	2200	<i>Caitlin Han</i>	8-7-25	800												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
				8-7-25	800 AM												

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	TCEQ 1005 - TX	RCRA 8 Metals	BEBOC - NM	BEBOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
1035	8/5/2025	S	1	BH04 - 0'		11								X					1.8	
1036	8/5/2025	S	1	BH04 - 0.5'		12								X					1.2	
1037	8/5/2025	S	1	BH04 - 1'		13								X					2.6	
1039	8/5/2025	S	1	BH04 - 2'		14								X					2.0	
924	8/5/2025	S	1	BH05 - 0'		15								X					3.0	
925	8/5/2025	S	1	BH05 - 0.5'		16								X					2.0	
926	8/5/2025	S	1	BH05 - 1'		17								X					2.1	
928	8/5/2025	S	1	BH05 - 2'		18								X					3.2	
930	8/5/2025	S	1	BH05 - 3'		19								X					1.4	
932	8/5/2025	S	1	BH05 - 4'		20								X					2.3	

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

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Sampled by: <u>Jarad McCauley</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: (Y) N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Jarad McCauley</i>	8/6/25	0800	<i>Michelle Gonzales</i>	8-6-25	0800						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	8-6-25	1400	<i>Marissa Gonzales</i>	8-6-25	1400						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Marissa Gonzales</i>	8-6-25	1815	<i>Andrew Musso</i>	8.6.25	1815						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Andrew Musso</i>	8.6.25	2200	<i>Caitley Mann</i>	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.

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Project Name: Amoco 1 Federal TB				Address: 3122 National Parks Hwy				E508014		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/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	
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, chamlilton@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>						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: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Jarad McCauley</i>	8/6/25	0800	<i>Michelle Gonzales</i>	8.6.25	0800						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Michelle Gonzales</i>	8.6.25	1400	<i>Marissa Gonzales</i>	8-6-25	1400						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Marissa Gonzales</i>	8-6-25	1815	<i>Andrew Musso</i>	8.6.25	1815						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>Andrew Musso</i>	8.6.25	2200	<i>Caitlynn</i>	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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Empty box for 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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BH06-0'	6
BH06-0.5'	7
BH06-1'	8
BH06-2'	9
BH06-3'	10
BH06-4'	11
BH06-5'	12
BH06-6'	13
BH08-0'	14
BH08-0.5'	15
BH08-1'	16
BH08-2'	17
BH08-3'	18
BH08-4'	19
SS14-0'	20
SS14-1'	21
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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

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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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. 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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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. 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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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. 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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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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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							
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LCS (2533013-BS1)

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

Chloride	254	20.0	250		102	90-110			
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Matrix Spike (2533013-MS1)

Source: E508088-08

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

Chloride	766	20.0	250	495	108	80-120			
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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	
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QC Summary Report Comment:

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



Definitions and Notes

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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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				E504088		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/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
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, 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.							
<i>Jarad McCauley</i>				8/06-25	0800	<i>Michelle Gonzales</i>				8-7-25	0800								
<i>Michelle Gonzales</i>				8-7-25	1245	<i>Marissa Gonzales</i>				8-7-25	1245								
<i>Marissa Gonzales</i>				8-7-25	1100	<i>Andrew Musso</i>				8.7.25	1600								
<i>Andrew Musso</i>				8.7.25	2000	<i>Carthi Man</i>				8.8.25	800								
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	Lab Use Only							
												Received on ice:							
												☺N							
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				E508088		2302-002					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	PWSID #	Sample Temp	Remarks
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, jmcauley@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.

Relinquished by: (Signature) <i>Jarad McCauley</i>						Date	08-07-25	Time	0800	Received by: (Signature) <i>Michelle Gonzales</i>						Date	8-7-25	Time	0800	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.
Relinquished by: (Signature) <i>Michelle Gonzales</i>						Date	8-7-25	Time	1245	Received by: (Signature) <i>Marissa Gonzales</i>						Date	8-7-25	Time	1245	
Relinquished by: (Signature) <i>Marissa Gonzales</i>						Date	8-7-25	Time	1600	Received by: (Signature) <i>Andrew Musso</i>						Date	8.7.25	Time	1600	
Relinquished by: (Signature) <i>Andrew Musso</i>						Date	8.7.25	Time	2000	Received by: (Signature) <i>Cathy Mann</i>						Date	8-8-25	Time	800	
Relinquished by: (Signature)						Date		Time		Received by: (Signature)						Date		Time		Lab Use Only
																		Received on ice:		
																		Y N		

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: agiovengo@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/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Empty box for 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-ib2gotrb.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 

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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<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.

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

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

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

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

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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Santa Fe, NM 87505

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	
<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	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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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 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	<i>Unavailable.</i>

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 07/29/2025
--	--

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, 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
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	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
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	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 546336

QUESTIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 546336
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2521030181
Incident Name	NAPP2521030181 AMOCO 1 FEDERAL TB @ K-01-18S-32E
Incident Type	Oil Release
Incident Status	Remediation Plan Received

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	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 546336

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 546336
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/26/2026
--	--

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QUESTIONS, Page 3

Action 546336

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 546336
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1/2 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 1/2 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
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	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

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	03/02/2026
On what date will (or did) the final sampling or liner inspection occur	04/13/2026
On what date will (or was) the remediation complete(d)	04/13/2026
What is the estimated surface area (in square feet) that will be reclaimed	3024
What is the estimated volume (in cubic yards) that will be reclaimed	325
What is the estimated surface area (in square feet) that will be remediated	10261
What is the estimated volume (in cubic yards) that will be remediated	891

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 546336

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 546336
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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	Not answered.
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)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 01/26/2026
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 546336

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 546336
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 546336

QUESTIONS (continued)

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 546336
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	559977
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2026
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	10264

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 546336

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 546336
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation plan is approved as written except with the following conditions; 1. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, Matador must collect a minimum of one (1) five point composite sample from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This is especially important for the material being used within the top four (4) feet from the ground surface. 2. Matador has 90-days (June 9, 2026) to submit to OCD its appropriate or final remediation closure report.	3/10/2026