

November 17, 2023

New Mexico Energy Minerals and Natural Resources Department New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request

Barry Miller State Com #201H

Incident Numbers NAPP2319455228 & NAPP2319663541

Eddy County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Matador Production Company (Matador), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities performed at the Barry Miller State Com #201H (Site) in Unit D, Section 16, Township 22 South, Range 28 East, in Eddy County, New Mexico (Figure 1). The purpose of the Site assessment, excavation, and soil sampling activities was to address impacted soil from two produced water releases at the Site. Based on the excavation activities and analytical results from the soil sampling events, Matador is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Numbers NAPP2319455228 and NAPP2319663541.

BACKGROUND

The Site is located in Eddy County, New Mexico (32.393514° N, 104.100114° W) and is associated with oil and gas exploration and production operations on New Mexico State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On July 12, 2023, a 12-inch coupling on a water transfer pipeline header failed and resulted in the release of 110 barrels (bbls) of produced water into an off-pad pasture area, which were not able to be recovered. Matador reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on July 13, 2023. The release was assigned Incident Number NAPP2319455228.

On July 14, 2023, a pump was activated while a valve on the lay-flat line was still shut, which caused a line failure. This failure resulted in the release of 20.85 bbls of produced water into the adjacent off-pad pasture area, roughly 30 feet east of the initial release. A vacuum truck was immediately dispatched to the Site for the second spill to recover free-standing fluids; approximately 8 bbls of produced water were recovered. Matador reported the release to the NMOCD on a Form C-141 on July 27, 2023. The release was assigned Incident Number NAPP2319663541.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, New Mexico 88220 | ensolum.com



Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization for both releases. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be 46 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C 04702 POD2, located approximately 1.43 miles southwest of the Site. The groundwater well has a reported depth to groundwater of 46 feet bgs and a total depth of 55 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented in Figure 1. The referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is a seasonal wetland, located approximately 1,130 feet southwest 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 (medium potential karst designation area). Site receptors are identified on Figure 1.

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

Benzene: 10 milligrams per kilogram (mg/kg)

Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg

Total Petroleum Hydrocarbons (TPH): 100 mg/kg

Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On July 21, 2023, Site assessment activities were conducted to evaluate the initial release extent based on information provided on the Form C-141 and visual observations. Six preliminary assessment soil samples (SS01 through SS06) were collected around the initial release extent at ground surface, to assess the lateral extent of the release. Two boreholes (BH01 and BH02) were collected via hand auger to depths of 4 feet and 3 feet bgs, respectively, to determine the vertical extent of the release. Delineation soil samples were field screened for chloride using either Hach® chloride QuanTab® test strips or the MOHR method titration.

On August 3 and August 30, 2023, Site assessment activities were conducted to evaluate the secondary release extent based on information provided on the Form C-141 and visual observations. One preliminary assessment soil sample (SS07) was collected around the secondary release extent at ground surface, to assess the lateral extent of the release. One borehole (BH03) was collected via hand auger to a depth of 1-foot bgs to determine the vertical extent of the release. Delineation soil samples were field screened for chloride and results were logged on a lithologic soil sampling log, which is included in Appendix C. The release extents and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

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 chemicals 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 the delineation soil samples collected from delineation soil samples SS01 through SS06 and SS07A and potholes BH01, BH02 and BH03 (Figure 2), collected at 1-foot bgs, indicated all COC concentrations were in compliance with Site Closure Criteria. Sample BH03, collected at 0 feet bgs, and SS07, collected at 0 feet bgs, were not in compliance with the Closure Criteria. As a result, impacted soil was identified and appeared necessary to remediate through removal during excavation activities. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix F.

EXCAVATION SOIL SAMPLING ACTIVITIES

Prior to beginning excavation activities at the Site, an archaeological survey was completed by Beaver Creek Archeology. The survey determined that the release areas were negative for cultural properties, and as such, the Cultural Properties Protection Rule (CPP) has been followed (see Appendix D).

Between October 26 and October 31, 2023, Ensolum personnel were at the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining, laboratory analytical results for the preliminary soil samples, and field screening results for delineation soil samples. Excavation activities were performed using a backhoe and transport vehicles. The excavation occurred in the pasture area, west of an equipment pad. To direct excavation activities, soil was screened for volatile aromatic hydrocarbons and chloride utilizing a PetroFLAG® soil analyzer system and MOHR method titration, respectively. The excavation was completed to depths ranging from 1-foot to 2.5 feet bgs. Photographic documentation of the excavation activities is included in Appendix E.

Following removal of impacted soil, 5-point composite soil samples were collected at least one sample every 200 square feet from the sidewalls and 400 square feet from the floor of the excavation, per an approved sampling variance by the NMOCD. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples SW01 through SW07 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 2.5 feet bgs. Composite soil sample SW08 was collected from the sidewall of the electric pole buffer zone at a depth of 0.5 feet bgs. Composite soil samples FS01 through FS43 were collected from the floor of the excavation at depths ranging from 1-foot to 2.5 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented in Figure 3.

The excavation area measured approximately 17,200 square feet. A total of approximately 640 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation sidewall samples SW01 through SW08, collected between 0.5 feet and 2.5 feet bgs, and excavation floor samples FS01 through FS43 (Figure 3), collected at depths ranging from 1-foot to 2.5 feet bgs, indicated all COC concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 2 and laboratory analytical reports are included as Appendix F.



RECLAMATION PLAN

The releases occurred off pad in the pasture and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off pad area that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan addresses reclamation of the off-pad area:

- The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade. Approximately 1-foot of topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;
- Soil in the vicinity of the release include: Reeves-Gypsum land complex, 0 to 3 percent slopes according to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey completed on November 16, 2023;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the NMSLO to meet reclamation standards for this region, which will be: BLM seed mix #3;
- The seed mixture will be distributed with either a push broadcaster seed spreader, tractor operated broadcast seed spreader, drill seeding, or other means;
- Application of the seed mixutre will be at a coverage of 10 pounds of seeds per acre of reclaimed
 pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture
 with distribution by a broadcast method;
- Erosion control management is not anticipated, but if needed, will potentially include:
 - The placement of waddles in areas with a propensity for high run off rates;
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
 - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Backfilling of the excavation has already been completed;
- Seeding is anticipated to be completed in the Spring when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost. NMSLO has recognized the optimal time to seed is between July and early September, which will be adhered to for this Site;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent
 with local natural vegetation density. The Site will be inspected the following Spring/Fall to assess
 the success of regrowth. If necessary, an additional application of the NMSLO-approved pure
 live seed mixture will be applied as well as any needed BMPs will be installed to support growth
 and limit erosion;
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address July 2023 releases of produced water. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria per



NMOCD Table I. Based on the soil sample analytical results, no further remediation was required. Reclamation will be completed as described above.

Following remediation efforts, 43 composite confirmation soil samples (FS01 through FS43) and eight composite confirmation sidewall samples (SW01 though SW08) were collected. All samples were in compliance with Site Closure Criteria.

Based on horizontal and vertical delineation sampling, depth to groundwater less than 50 feet bgs, and confirmation soil sample laboratory analytical results in compliance with their respective Closure Criteria, Matador believes these remedial actions are protective of human health, the environment, and groundwater. As such, Matador respectfully requests closure for Incident Numbers NAPP2319455228 & NAPP2319663541.

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

Sincerely, **Ensolum, LLC**

Ashley Giovengo Senior Engineer Daniel R Moir, P.G. Senior Managing Geologist

cc: Clinton Talley, Matador Resources

Site Receptor Map

NMSLO

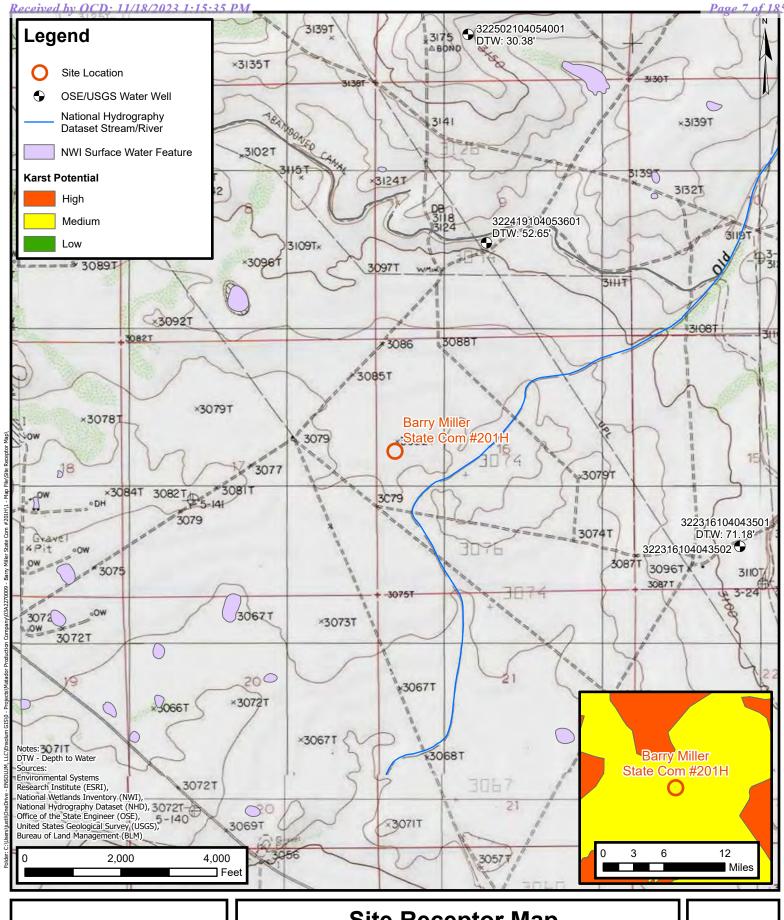
Appendices:

Figure 1

Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation)
Table 2	Soil Sample Analytical Results (Excavation Floor)
Table 3	Soil Sample Analytical Results (Excavation Sidewall)
Appendix A	Forms C-141
Appendix B	Referenced Wells
Appendix C	Lithologic Soil Sampling Logs
Appendix D	NMSLO Cultural Resources Cover Sheet
Appendix E	Photographic Log
Appendix F	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix G	Regulatory Correspondence



FIGURES



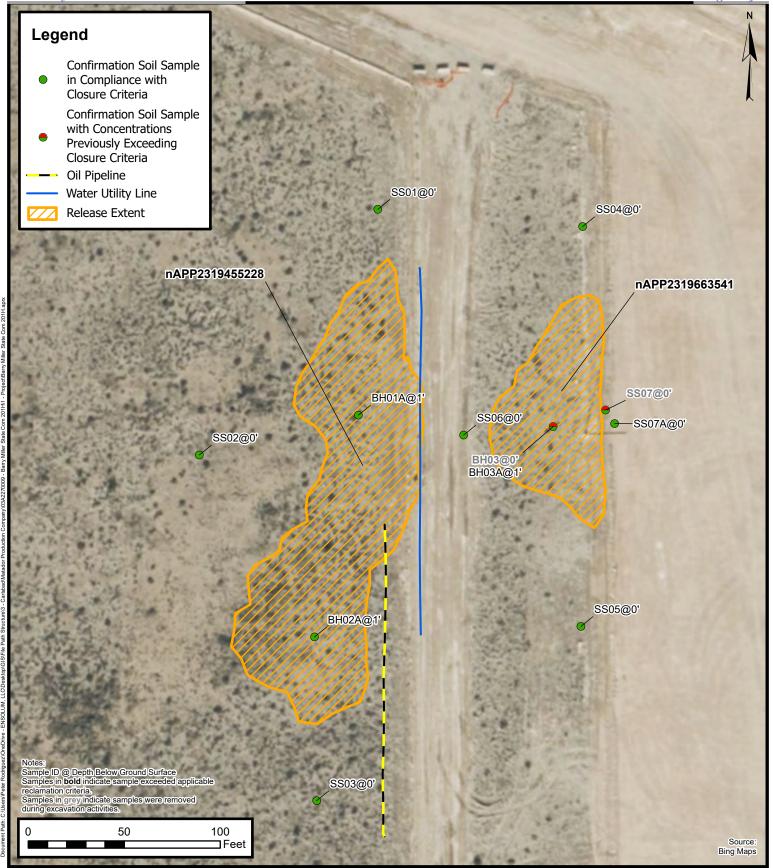


Site Receptor Map

Matador Production Company Barry Miller State Com #201H Incident Number: nAPP2319455228 & NAPP2319663541 Unit D, Section 16, T 22S, R 28E Eddy County, New Mexico

FIGURE

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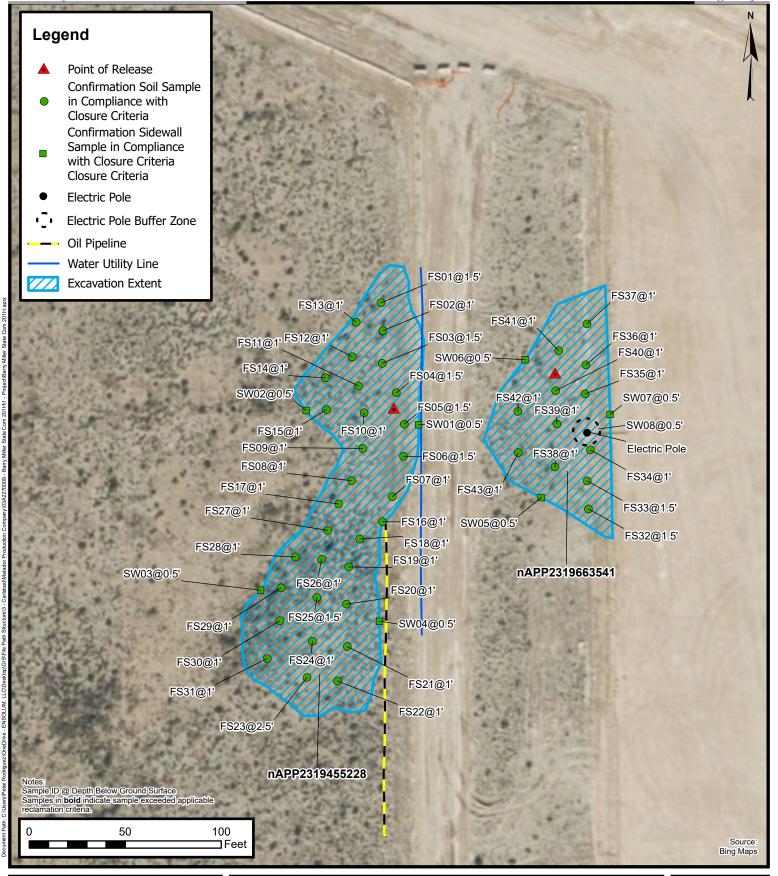




Delineation Soil Sample Locations

Matador Production Company
Barry Miller State Com #201H
Incident Number: nAPP2319455228 & nAPP2319663541
Unit E, Section 16, Township 22S, Range 28E
Eddy County,New Mexico

FIGURE 2





Confirmation Soil Sample Locations

Matador Production Company
Barry Miller State Com #201H
Incident Number: nAPP2319455228 & nAPP2319663541
Unit E, Section 16, Township 22S, Range 28E
Eddy County,New Mexico

FIGURE 3



TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Matador Production Company Barry Miller State Com 201H Eddy County, New Mexico

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Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
	Delineation Soil Samples									
SS01	7/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
SS02	7/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
SS03	7/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
SS04	7/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
SS05	7/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
SS06	7/21/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	245
SS07	8/3/2023	0	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	1,900
SS07A	9/1/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	199
BH01A	7/21/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	394
BH02A	7/21/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	<20.0
BH03	8/3/2023	0	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	4,740
BH03A	8/3/2023	1	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	409

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 Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics
DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

^{*} 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.



TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS

Matador Production Company
Barry Miller State Com 201H
Eddy County, New Mexico

				Eddy	County, New M	exico				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Excava	ation Floor Soil S	amples				
FS01	10/30/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS02	10/27/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
FS03	10/30/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS04	10/30/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS05	10/30/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS06	10/30/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS07	10/27/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
FS08	10/27/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
FS09	10/27/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
FS10	10/27/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
FS11	10/27/2023	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
FS12	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS13	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS14	10/27/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
FS15	10/27/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
FS16	10/30/2023	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	207
FS17	10/30/2023	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS18	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS19	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS20	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS21	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS22	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS23	10/30/2023	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	593



GRO: Gasoline Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

DRO: Diesel Range Organics

ORO: Oil Range Organics

TABLE 2 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Matador Production Company Barry Miller State Com 201H Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Excava	ation Floor Soil S	amples				
FS24	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS25	10/30/2023	1.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS26	10/30/2023	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS27	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS28	10/30/2023	1	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS29	10/30/2023	1	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	477
FS30	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	316
FS31	10/30/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	466
FS32	10/31/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS33	10/31/2023	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS34	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS35	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS36	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS37	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS38	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS39	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS40	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS41	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS42	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS43	10/31/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200

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 Table I Closure Criteria or reclamation standard 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.

c. Laboratory Arialytical result is less than reporting limit



TABLE 3

SOIL SAMPLE ANALYTICAL RESULTS

Matador Production Company Barry Miller State Com 201H Eddy County, New Mexico

	Ludy County, New Mexico									
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria ((NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Excavati	on Sidewall Soil	Samples				
SW01	10/27/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
SW02	10/27/2023	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<400
SW03	10/30/2023	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
SW04	10/30/2023	0.5	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
SW05	10/31/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
SW06	10/31/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	298
SW07	10/31/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
SW08	10/30/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

[&]quot;<": Laboratory Analytical result is less than reporting limit

^{*} 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.



APPENDIX A

Forms C-141

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural** Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2319455228
District RP	
Facility ID	
Application ID	

Release Notification

			Resp	onsible Par	ty				
Responsible Party Matador Production Company					228937				
Contact Name Clint Talley					Γelephone (337) 3	19-8398			
Contact emai	il clinton.tal	ley@matadorresou	irces.com	Incident	# (assigned by OCD)				
Contact mailing address 5400 Lyndon B Johnson Fwy, Dallas, Texas 75240									
			Location	of Release S	Source				
Latitude 32.39	3514		(NAD 83 in dec	Longitude imal degrees to 5 dec	-104.100114 cimal places)				
Site Name Ba	rry Miller S	tate Com #201H		Site Type	Oil Well				
Date Release	Discovered	07/12/2023		API# (if a	API# (if applicable) 30-015-53356				
Unit Letter	Section	Township	Range	Cou	ınty				
D	16	22S	28E	Ec	ldy				
Surface Owner	r: X State	☐ Federal ☐ Tr	ibal Private (A	Name:)			
			Nature and	Volume of	Release				
				calculations or specif		volumes provided below)			
Crude Oil		Volume Release			Volume Recov				
Produced	Water	Volume Release	d (bbls) 110 bbls		Volume Recovered (bbls) 0 bbls				
		Is the concentrate produced water	ion of dissolved cl >10,000 mg/l?	nloride in the	☐ Yes ☒ No				
Condensa	ite	Volume Release			Volume Recov	vered (bbls)			
Natural Gas Volume Released (Mcf)					Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units			units)	Volume/Weigh	ht Recovered (provide units)				
Cause of Release: 12" coupling on water transfer pipeline header failed. The spill impacted an area approximately 12, 292 square ft offpad.									

BBL Estimate = $\left(\text{Saturated Soil Volume } (ft^3) / 4.21 \left(\frac{ft^3}{bbl} \text{ equivalent} \right) \right) x \text{ Estimated Soil Porosity } (\%)$

 $((12,292 \times 0.083) / 4.21)) \times 0.45 = 109.489 \text{ bbls}$

+ Recovered Fluids (bbl)

Received by OCD: 11/18/2023/121535 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

Page deeof 185

Incident ID	nAPP2319455228
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the resport Volume exceeded 25 bbls.	sible party consider this a major release?
19.15.29.7(A) NMAC?		
⊠ Yes □ No		
If VEC in lints a	edica cinera to the OCD2 December 2 To only	2 Wilson and have shot arrange (allows a small star)?
II YES, was immediate no	ouce given to the OCD? By whom? 10 wh	om? When and by what means (phone, email, etc)?
	Initial Re	esponse
The responsible p	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	I managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:
has begun, please attach	a narrative of actions to date. If remedial of	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
		pest of my knowledge and understand that pursuant to OCD rules and
public health or the environr	nent. The acceptance of a C-141 report by the O	ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
		at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name: Clint Talle	<u> Y</u>	Title: EHS Supervisor
Signature: Clint	Talley	Date: <u>07/13/2023</u>
email: Clinton.talley@ma	\mathcal{O}	Telephone: <u>337-319-8398</u>
•		
OCD Only		
Pacaived by: Shally Wal	ls	Date: 7/14/2023
Received by. Shelly well	18	Date

	Page 18 of 18.	5
Incident ID	nAPP2319455228	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

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?	46 (ft bgs)					
Did this release impact groundwater or surface water?						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?						
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No					
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No					
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No					
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No					
Are the lateral extents of the release overlying an unstable area such as karst geology?						
Are the lateral extents of the release within a 100-year floodplain?						
Did the release impact areas not on an exploration, development, production, or storage site?	⊠ Yes □ No					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.						
Characterization Report Checklist: Each of the following items must be included in the report.						
 \infty Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data 	ls.					
☐ Data table of soil contaminant concentration data						
Depth to water determination						
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs						
 ☑ Photographs including date and GIS information 						
☐ Topographic/Aerial maps						
☐ Laboratory data including chain of custody						

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 11/18/2023 1:15:35 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Application ID

Page 20 of 185

Incident ID	nAPP2319455228
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following item	ns must be included in the closure report.	
Note: Appropriate OCD District office must be notified 2 days prior to liner inspection)		
☐ Laboratory analyses of final sampling (Note: appropriate ODC I	District office must be notified 2 days prior to final sampling)	
□ Description of remediation activities		
I hereby certify that the information given above is true and complete and regulations all operators are required to report and/or file certain r may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and remehuman health or the environment. In addition, OCD acceptance of a Compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the conductor accordance with 19.15.29.13 NMAC including notification to the OCI	C-141 report by the OCD does not relieve the operator of liability diate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ons. The responsible party acknowledges they must substantially itions that existed prior to the release or their final land use in	
Printed Name: Clint Talley	Title: EHS Supervisor	
Signature: Clint Talley	Date: <u>07/25/2023</u>	
email: Clinton.talley@matadorresources.com	Telephone: <u>337-319-8398</u>	
OCD Only		
Received by:	Date:	
	liability should their operations have failed to adequately investigate and ter, human health, or the environment nor does not relieve the responsible regulations.	
Closure Approved by:	Date:	
Printed Name:	Title:	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 239985

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	239985
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created I	By Condition	Condition Date
scwell	None	7/14/2023

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2319663541
District RP	
Facility ID	
Application ID	

Release Notification

			Resp	onsible Part	ty
Responsible Party Matador Production Company			npany	OGRID 22	228937
Contact Nam	ne Clint Talle	ey		Contact Te	Telephone (337) 319-8398
Contact emai	il clinton.tal	ley@matadorresou	rces.com	Incident #	# (assigned by OCD) nAPP2319663541
Contact mail Texas 75240		5400 Lyndon B Jo	hnson Fwy, Dallas	S,	
			Location	of Release So	Source
Latitude 32.39	3514		(NAD 83 in dec	Longitude <u>-</u> imal degrees to 5 decin	-104.100114 imal places)
Site Name Barry Miller State Com #201H		Site Type 0	Oil Well		
Date Release Discovered 07/14/2023		API# (if app	pplicable) 30-015-53356		
Unit Letter	Section	Township	Range	Cour	inty
D	16	22S	28E	Edd	dy
Surface Owner: State Federal Tribal Private (Name:)					
	Matairi	(Calastal (Calasta)		Volume of 1	
Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) Volume Recovered (bbls)					
Produced	Water	Volume Release	d (bbls) 20.85 bbls	S	Volume Recovered (bbls) 8 bbls
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		nloride in the	☐ Yes ⊠ No		
Condensa	Condensate Volume Released (bbls)			Volume Recovered (bbls)	
Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)		units)	Volume/Weight Recovered (provide units)		
		p was activated wl 2 square ft off-pad		lay-flat line was s	still shut causing the line to burst. The spill impacted an

BBL Estimate = $\left(\text{Saturated Soil Volume } (ft^3) / 4.21 \left(\frac{ft^3}{bbl} \text{ equivalent} \right) \right) x \text{ Estimated Soil Porosity } (\%)$

 $((4,682 \times 0.0416) / 4.21)) \times 0.45 = 20.85 \text{ bbls}$

+ Recovered Fluids (bbl)

Released to Imaging: 3/15/2024 9:11:17 AM

Received by OCD: 11/18/2023/1:15:35 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

Page 23eof 185

Incident ID	nAPP2319663541
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible Volume exceeded 25 bbls.	nsible party consider this a major release?
☐ Yes ⊠ No		
If YES. was immediate n	otice given to the OCD? By whom? To when	nom? When and by what means (phone, email, etc)?
,		3 4 / / /
	Initial R	esponse
The responsible	party must undertake the following actions immediated	y unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
<u> </u>	as been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions describe	d above have <u>not</u> been undertaken, explain	why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. 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 attach all information needed for closure evaluation.		
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.		
Printed Name: Clint Talle		Title: EHS Supervisor
Signature: Clina	t Talley	Date: <u>07/25/2023</u>
email: Clinton.talley@ma	U	Telephone: <u>337-319-8398</u>
OCD Only		
Received by: _Shelly We	ells	Date: _7/27/2023

te of New Mexico

Incident ID	nAPP2319663541
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

46 (ft bgs)		
☐ Yes ⊠ No		
⊠ Yes □ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody 		
i		

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Page 25 of 185

Incident ID	nAPP2319663541
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following iter	ms must be included in the closure report.	
A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
☐ Laboratory analyses of final sampling (Note: appropriate ODC I	District office must be notified 2 days prior to final sampling)	
□ Description of remediation activities		
	cdiate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ons. The responsible party acknowledges they must substantially litions that existed prior to the release or their final land use in	
Printed Name: Clint Talley	Title: EHS Supervisor	
Signature: Clint Talley	Date: <u>07/25/2023</u>	
email: Clinton.talley@matadorresources.com	Telephone: <u>337-319-8398</u>	
OCD Only		
Received by: Shelly Wells	Date: 11/20/2023	
	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.	
Closure Approved by:	Date:	
Printed Name:	Title:	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 245063

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	245063
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	3y Condition	Condition Date
scwell	None	7/27/2023



APPENDIX B

Referenced Wells



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

Q64 Q16 Q4 Sec Tws Rng

X

C 04702 POD2 NA 18 22S 28E

3584016 582367

Driller License: Driller Company: WHITE DRILLING COMPANY 1456

Driller Name: JOHN W. WHITE

Drill Start Date: 02/13/2023 **Drill Finish Date:** Plug Date: 02/16/2023 02/16/2023 Log File Date: 03/06/2023 **PCW Rcv Date:** Source: Shallow

Pump Type: Pipe Discharge Size: **Estimated Yield:**

Casing Size: Depth Well: 2.00 55 feet **Depth Water:** 46 feet

> Water Bearing Stratifications: **Top Bottom Description**

> > 44 50 Sandstone/Gravel/Conglomerate

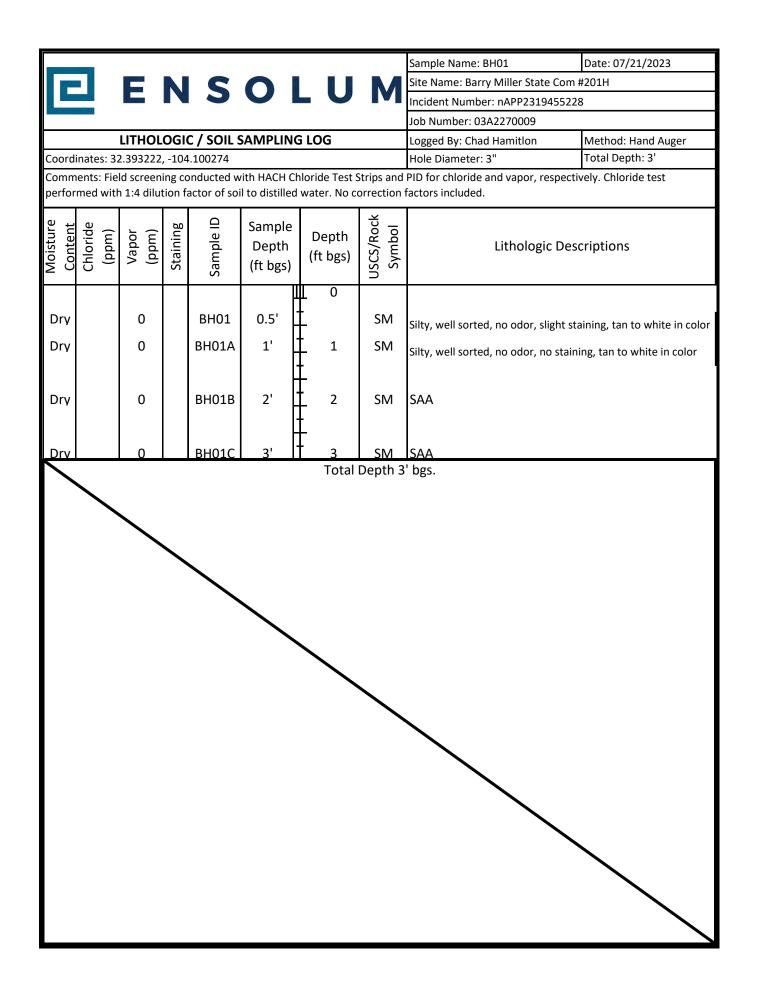
Casing Perforations: Top Bottom

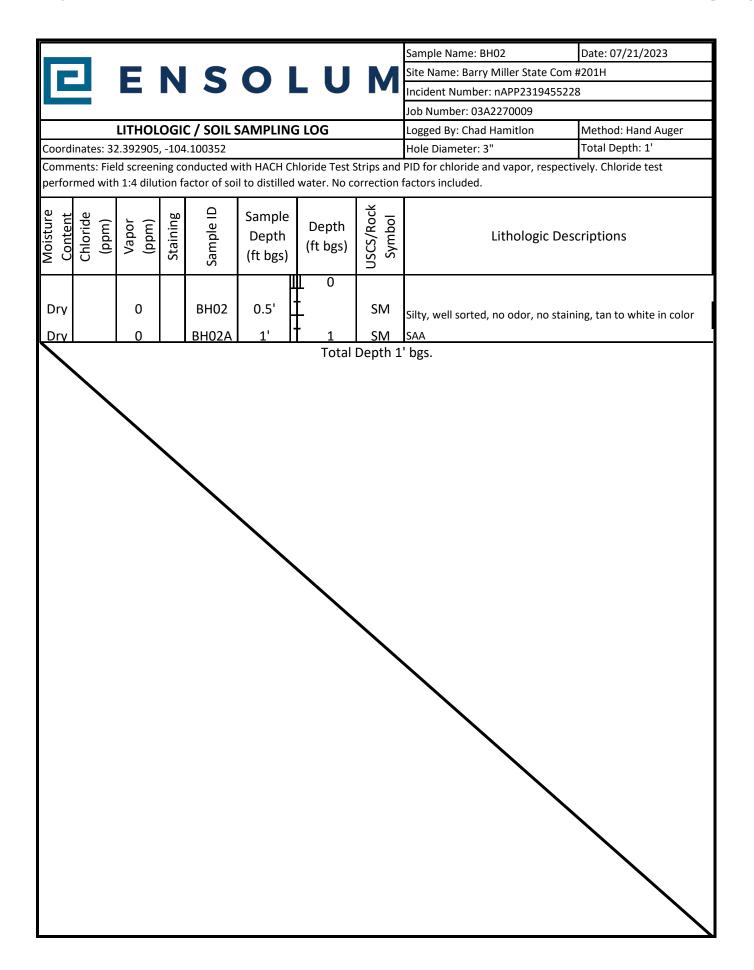
> 30 55

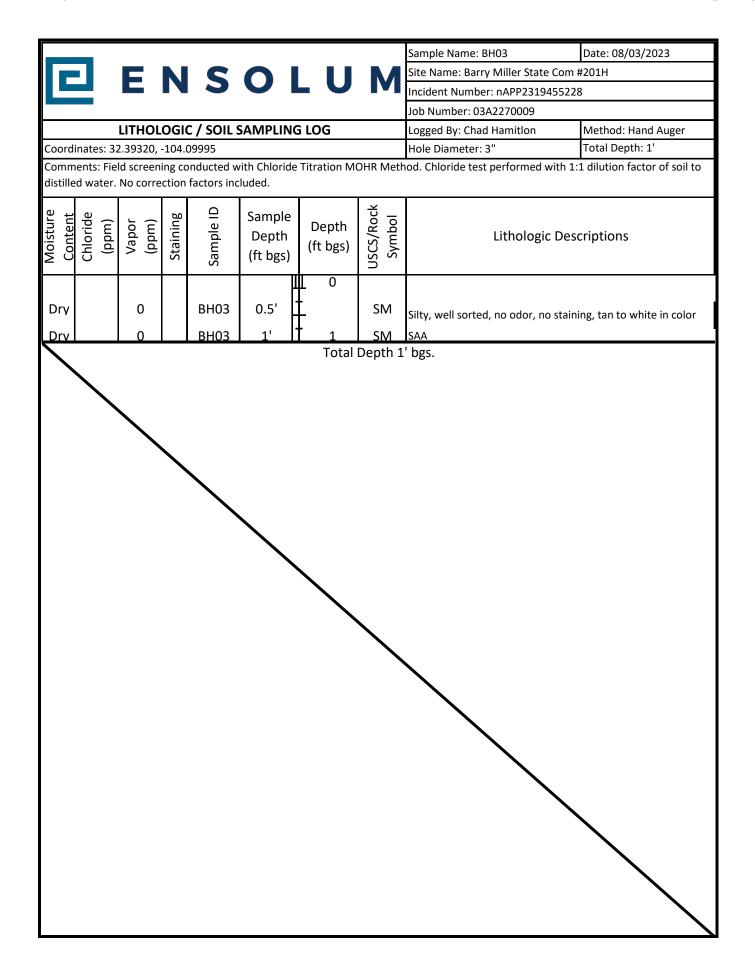


APPENDIX C

Lithologic Soil Sampling Logs









APPENDIX D

NMSLO Cultural Resources Cover Sheet



Stephanie Garcia Richard, Commissioner of Public Lands State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:

Exhibit Type (select one)

(if applicable)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

: :

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22



APPENDIX E

Photographic Log

ENSOLUM

Photographic Log

Matador Production Company Barry Miller State Com 201H nAPP2319455228 & nAPP2319663541





Date: 07/13/2023 Photograph 1

Description: Lease sign for the Barry Miller State Com #201H

View: South

Photograph 2

Description: Spill Area #1

View: South





Photograph 3 Description: Spill Area #1

View: North

Date: 07/13/2023

Photograph 4

Description: Spill Area #2

View: South

Date: 07/19/2023

Date: 07/13/2023

ENSOLUM

Photographic Log

Matador Production Company
Barry Miller State Com 201H
nAPP2319455228 & nAPP2319663541





Photograph 5

Description: Spill Area #2 View: East Date: 07/19/2023

Photograph 6

Date: 07/21/2023

Date: 10/26/2023

Description: Vertical Delineation (BH01)

View: Southeast





Photograph 7 Date: 08/03/2023

Description: Vertical Delineation (BH03)

View: South

Photograph 8

Description: Excavation area

View: East

ENSOLUM

Photographic Log

Matador Production Company
Barry Miller State Com 201H
nAPP2319455228 & nAPP2319663541





Date: 10/27/2023

Date: 10/31/2023

Photograph 9 Date: 10/26/2023

Description: Waste containing soil

View: Southwest

Photograph 10

Description: Excavation area

View: North





Photograph 11

Description: Excavation area

View: East

Photograph 12

Description: Excavation area

View Couthoost

View: Southeast

Date: 10/30/2023



APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Barry Miller State Com #201H

Work Order: E307136

Job Number: 23052-0001

Received: 7/25/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/31/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

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

Date Reported: 7/31/23

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

Project Name: Barry Miller State Com #201H

Workorder: E307136

Date Received: 7/25/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/25/2023 8:15:00AM, under the Project Name: Barry Miller State Com #201H.

The analytical test results summarized in this report with the Project Name: Barry Miller State Com #201H 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01 - 0'	5
SS02 - 0'	6
SS03 - 0'	7
SS04 - 0'	8
SS05 - 0'	9
SS06 - 0'	10
BH01A - 1'	11
BH02A - 1'	12
QC Summary Data	13
QC - Volatile Organic Compounds by EPA 8260B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/31/23 14:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E307136-01A	Soil	07/21/23	07/25/23	Glass Jar, 4 oz.
SS02 - 0'	E307136-02A	Soil	07/21/23	07/25/23	Glass Jar, 4 oz.
SS03 - 0'	E307136-03A	Soil	07/21/23	07/25/23	Glass Jar, 4 oz.
SS04 - 0'	E307136-04A	Soil	07/21/23	07/25/23	Glass Jar, 4 oz.
SS05 - 0'	E307136-05A	Soil	07/21/23	07/25/23	Glass Jar, 4 oz.
SS06 - 0'	E307136-06A	Soil	07/21/23	07/25/23	Glass Jar, 4 oz.
BH01A - 1'	E307136-07A	Soil	07/21/23	07/25/23	Glass Jar, 4 oz.
BH02A - 1'	E307136-08A	Soil	07/21/23	07/25/23	Glass Jar, 4 oz.

Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo7/31/20232:15:50PM

SS01 - 0' E307136-01

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg mg/kg		Analyst: IY	7		Batch: 2330031
Benzene	ND	0.0250	1	I	07/25/23	07/27/23	
Ethylbenzene	ND	0.0250	1	1	07/25/23	07/27/23	
Toluene	ND	0.0250	1	1	07/25/23	07/27/23	
o-Xylene	ND	0.0250	1	1	07/25/23	07/27/23	
p,m-Xylene	ND	0.0500	1	1	07/25/23	07/27/23	
Total Xylenes	ND	0.0250	1	1	07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		95.8 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		98.7 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	_	Analyst: IY	7		Batch: 2330031
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		95.8 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		98.7 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	М		Batch: 2330050
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/25/23	07/27/23	
Surrogate: n-Nonane		85.9 %	50-200		07/25/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: B	A		Batch: 2330052
Chloride	ND	100	5	5	07/25/23	07/27/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo7/31/20232:15:50PM

SS02 - 0'

E307136-02 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2330031 mg/kg mg/kg **Volatile Organic Compounds by EPA 8260B** 07/25/23 07/27/23 ND 0.0250 Benzene 07/25/23 07/27/23 Ethylbenzene ND 0.0250 1 ND 0.0250 1 07/25/23 07/27/23 Toluene 1 07/25/23 07/27/23 o-Xylene ND 0.0250 07/25/23 07/27/23 ND 0.0500 1 p,m-Xylene 07/25/23 07/27/23 1 Total Xylenes ND 0.0250 94.9 % 07/25/23 07/27/23 Surrogate: Bromofluorobenzene 70-130 Surrogate: 1,2-Dichloroethane-d4 97.7 % 70-130 07/25/23 07/27/23 Surrogate: Toluene-d8 97.1 % 70-130 07/25/23 07/27/23 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2330031 ND 07/25/23 07/27/23 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 94.9 % 07/25/23 07/27/23 70-130 07/25/23 07/27/23 Surrogate: 1,2-Dichloroethane-d4 97.7% 70-130 Surrogate: Toluene-d8 07/25/23 07/27/23 97.1 % 70-130 mg/kg Analyst: KM Batch: 2330050 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 07/27/23 ND 25.0 1 07/25/23 Diesel Range Organics (C10-C28) ND 50.0 1 07/25/23 07/27/23 Oil Range Organics (C28-C36) 121 % 50-200 07/25/2307/27/23 Surrogate: n-Nonane

mg/kg

20.0

Analyst: BA

07/25/23

07/27/23

1

mg/kg

ND



Batch: 2330052

Anions by EPA 300.0/9056A

Chloride

Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo7/31/20232:15:50PM

SS03 - 0'

E307136-03

		Reporting					
Analyte	Result	Limit	Diluti	ion Prej	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2330031
Benzene	ND	0.0250	1	07/2	25/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/2	25/23	07/27/23	
Toluene	ND	0.0250	1	07/2	25/23	07/27/23	
o-Xylene	ND	0.0250	1	07/2	25/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/2	25/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/2	25/23	07/27/23	
Surrogate: Bromofluorobenzene		95.8 %	70-130	07/2	25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/2	25/23	07/27/23	
Surrogate: Toluene-d8		97.0 %	70-130	07/2	25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2330031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/2	25/23	07/27/23	
Surrogate: Bromofluorobenzene		95.8 %	70-130	07/2	25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/2	25/23	07/27/23	
Surrogate: Toluene-d8		97.0 %	70-130	07/2	25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2330050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/2	25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/2	25/23	07/27/23	
Surrogate: n-Nonane		93.5 %	50-200	07/2	25/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA			Batch: 2330052

Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo7/31/20232:15:50PM

SS04 - 0'

		E307136-04					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2330031
Benzene	ND	0.0250	1	1	07/25/23	07/27/23	
Ethylbenzene	ND	0.0250	1	1	07/25/23	07/27/23	
Toluene	ND	0.0250	1	1	07/25/23	07/27/23	
o-Xylene	ND	0.0250	1	1	07/25/23	07/27/23	
p,m-Xylene	ND	0.0500	1	1	07/25/23	07/27/23	
Total Xylenes	ND	0.0250	1	1	07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		94.4 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		98.0 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2330031
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		94.4 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		98.0 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2330050
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/25/23	07/27/23	
Surrogate: n-Nonane		96.7 %	50-200		07/25/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2330052
· · · · · · · · ·							

20.0

07/25/23

07/27/23

ND



Chloride

Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo7/31/20232:15:50PM

SS05 - 0' E307136-05

		200.100 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2330031
Benzene	ND	0.0250		1	07/25/23	07/27/23	
Ethylbenzene	ND	0.0250		1	07/25/23	07/27/23	
Toluene	ND	0.0250		1	07/25/23	07/27/23	
o-Xylene	ND	0.0250		1	07/25/23	07/27/23	
p,m-Xylene	ND	0.0500		1	07/25/23	07/27/23	
Total Xylenes	ND	0.0250		1	07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		97.3 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		98.7 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2330031
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		97.3 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		98.7 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2330050
Diesel Range Organics (C10-C28)	ND	25.0		1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0		1	07/25/23	07/27/23	
Surrogate: n-Nonane		102 %	50-200		07/25/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: BA		Batch: 2330052
Chloride	ND	100		5	07/25/23	07/27/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo7/31/20232:15:50PM

SS06 - 0'

		E307136-06					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	7		Batch: 2330031
Benzene	ND	0.0250	1		07/25/23	07/27/23	
Ethylbenzene	ND	0.0250	1		07/25/23	07/27/23	
Toluene	ND	0.0250	1		07/25/23	07/27/23	
o-Xylene	ND	0.0250	1		07/25/23	07/27/23	
p,m-Xylene	ND	0.0500	1		07/25/23	07/27/23	
Total Xylenes	ND	0.0250	1		07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		93.3 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		97.4 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	<i>T</i>		Batch: 2330031
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		93.3 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		97.4 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	M		Batch: 2330050
Diesel Range Organics (C10-C28)	ND	25.0	1		07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1		07/25/23	07/27/23	
Surrogate: n-Nonane		107 %	50-200		07/25/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: B	A		Batch: 2330052
Chloride	245	200	10)	07/25/23	07/27/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo7/31/20232:15:50PM

BH01A - 1' E307136-07

		Reporting					
Analyte	Result	Limit	Diluti	ion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2330031	
Benzene	ND	0.0250	1		07/25/23	07/27/23	
Ethylbenzene	ND	0.0250	1		07/25/23	07/27/23	
Toluene	ND	0.0250	1		07/25/23	07/27/23	
o-Xylene	ND	0.0250	1		07/25/23	07/27/23	
p,m-Xylene	ND	0.0500	1		07/25/23	07/27/23	
Total Xylenes	ND	0.0250	1		07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		94.6 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		99.5 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY	-		Batch: 2330031
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		94.6 %	70-130		07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		07/25/23	07/27/23	
Surrogate: Toluene-d8		99.5 %	70-130		07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM	M		Batch: 2330050
Diesel Range Organics (C10-C28)	ND	25.0	1	•	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1		07/25/23	07/27/23	
Surrogate: n-Nonane		99.3 %	50-200		07/25/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA	A		Batch: 2330052
Chloride	394	200	10		07/25/23	07/27/23	

Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo7/31/20232:15:50PM

BH02A - 1' E307136-08

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2330031
Benzene	ND	0.0250	1	07/25/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/25/23	07/27/23	
Toluene	ND	0.0250	1	07/25/23	07/27/23	
o-Xylene	ND	0.0250	1	07/25/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/25/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		95.2 %	70-130	07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	07/25/23	07/27/23	
Surrogate: Toluene-d8		96.5 %	70-130	07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2330031
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/25/23	07/27/23	
Surrogate: Bromofluorobenzene		95.2 %	70-130	07/25/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	07/25/23	07/27/23	
Surrogate: Toluene-d8		96.5 %	70-130	07/25/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2330050
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/27/23	
Surrogate: n-Nonane		125 %	50-200	07/25/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2330052
Chloride	ND	200	10	07/25/23	07/27/23	

Matrix Spike (2330031-MS1)

QC Summary Data

Matador Resources, LLC. Barry Miller State Com #201H Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 7/31/2023 2:15:50PM Volatile Organic Compounds by EPA 8260B Analyst: IY Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2330031-BLK1) Prepared: 07/25/23 Analyzed: 07/27/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.471 0.500 94.1 70-130 Surrogate: 1,2-Dichloroethane-d4 0.459 0.500 91.8 70-130 0.500 101 70-130 Surrogate: Toluene-d8 0.504 LCS (2330031-BS1) Prepared: 07/25/23 Analyzed: 07/27/23 2.43 0.0250 2.50 97.3 70-130 Benzene 70-130 2.32 2.50 92.6 0.0250 Ethylbenzene 2.38 0.0250 2.50 95.0 70-130 2.38 2.50 95.0 70-130 0.0250 o-Xylene 4.74 94.8 5.00 70-130 p,m-Xylene 0.0500 7.12 0.0250 7.50 94.9 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.468 0.500 93.6 70-130 0.495 0.500 99.0 70-130 Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 0.500 70-130 0.490

Matrix Spike Dup (2330031-MSD1)				Source:	E307136-0	02	Prepared: 07/25/23 Analyzed: 07/27/23
Surrogate: Toluene-d8	0.485		0.500		97.0	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130	
Surrogate: Bromofluorobenzene	0.471		0.500		94.2	70-130	
Total Xylenes	7.17	0.0250	7.50	ND	95.6	43-135	
p,m-Xylene	4.76	0.0500	5.00	ND	95.2	43-135	
o-Xylene	2.40	0.0250	2.50	ND	96.2	43-135	
Toluene	2.32	0.0250	2.50	ND	92.8	48-130	
Ethylbenzene	2.30	0.0250	2.50	ND	91.9	45-135	
Benzene	2.37	0.0250	2.50	ND	94.6	48-131	

Source: E307136-02

Matrix Spike Dup (2330031-MSD1)				Source:	Source: E307136-02			7/25/23 Analyzed: 07/27/23
Benzene	2.35	0.0250	2.50	ND	94.0	48-131	0.636	23
Ethylbenzene	2.26	0.0250	2.50	ND	90.4	45-135	1.60	27
Toluene	2.30	0.0250	2.50	ND	92.0	48-130	0.888	24
o-Xylene	2.36	0.0250	2.50	ND	94.4	43-135	1.80	27
p,m-Xylene	4.68	0.0500	5.00	ND	93.5	43-135	1.83	27
Total Xylenes	7.04	0.0250	7.50	ND	93.8	43-135	1.82	27
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130		
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130		

Prepared: 07/25/23 Analyzed: 07/27/23

Barry Miller State Com #201H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 7/31/2023 2:15:50PM

	-
Analyst:	-11

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

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2330031-BLK1)							Prepared: 0'	7/25/23 Anal	yzed: 07/27/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.8	70-130				
Surrogate: Toluene-d8	0.504		0.500		101	70-130				
LCS (2330031-BS2)							Prepared: 0'	7/25/23 Anal	yzed: 07/27/23	
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0		100	70-130				
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130				
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130				
Matrix Spike (2330031-MS2)				Source:	E307136-	02	Prepared: 07/25/23 Analyzed: 07/27/2			
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130				
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130				
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130				
Matrix Spike Dup (2330031-MSD2)				Source:	E307136-	02	Prepared: 0'	7/25/23 Anal	yzed: 07/27/23	
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.0	70-130	4.56	20		
Surrogate: Bromofluorobenzene	0.475		0.500		94.9	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130				
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130				



Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo7/31/20232:15:50PM

Danas 1X, 73240		1 Toject Ivianage	7.5	micy Gloveng	50				773172023 2.13.3011
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2330050-BLK1)							Prepared: 0	7/25/23 A	nalyzed: 07/26/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.7		50.0		101	50-200			
LCS (2330050-BS1)							Prepared: 0	7/25/23 A	nalyzed: 07/26/23
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			
Matrix Spike (2330050-MS1)				Source:	E307123-3	33	Prepared: 0	7/25/23 A	nalyzed: 07/26/23
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	46.9		50.0		93.9	50-200			
Matrix Spike Dup (2330050-MSD1)				Source:	E307123-3	33	Prepared: 0	7/25/23 A	nalyzed: 07/26/23
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	1.70	20	
Surrogate: n-Nonane	47.9		50.0		95.9	50-200			

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2	Barry Miller Sta 23052-0001 Ashley Gioveng			Reported: 7/31/2023 2:15:50PM		
	Analyst: BA								
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes

Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	7/25/23	Analyzed: 07/27/23
ND	20.0							
						Prepared: 0	7/25/23	Analyzed: 07/27/23
255	20.0	250		102	90-110			
			Source:	E307136-0	01	Prepared: 0	7/25/23	Analyzed: 07/27/23
259	100	250	ND	104	80-120			
			Source:	E307136-0	01	Prepared: 0	7/25/23	Analyzed: 07/27/23
264	100	250	ND	106	80-120	1.82	20	
	ND 255	MD 20.0 255 20.0 259 100	ND 20.0 255 20.0 250 259 100 250	ND 20.0 Source: So	mg/kg mg/kg mg/kg mg/kg % ND 20.0 255 20.0 250 102 Source: E307136-6 259 100 250 ND 104 Source: E307136-6	Mg/kg mg/kg mg/kg mg/kg % % %	Marker M	Mg/kg mg/kg mg/kg mg/kg % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo07/31/23 14:15

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



	ege _		_ of	Received by OCD: 11/18/2023
Pr	ogra	ım		ij
Α		WA		00
	RC	RA		D: 11
e				/18/
e AZ	TX			2023
rks				1:15:35 PM
				PM

Client: 1	Matador Prod	duction C	ompany.		Bill To		kina		Lab	Us	e Onl	У	100		TAT				EPA P	rogram
	Barry Miller				Attention: Matador Produ	ction Company	Lab	WO#			Job N	um	ber ,	1D	2D	3D	Sta	ndard	CWA	SDWA
	Manager: As				Address: on file		E 3	307	130	0	230	5Z	1000/					Х		
	3122 Natio				City, State, Zip:					F	Analys	is ar	d Metho	d						RCRA
City, Sta	te, Zip: Carls	bad NM,	88220		Phone: (337)319-8398			þý						1						
Phone:	575-988-005	5			Email: clinton.talley@mata	dorresources.com		JRO RO											State	
Email: a	giovengo@e	nsolum.c	om					log	н	_		0.		NZ		1	1 1	NM CO	UT AZ	TX
Report o	ue by:							3/0/	802	8260	0100	300				¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
8:45	7/21/2023	Soil	1 Jar		SS01 - 0'	1							Pelma	x						
8:51	7/21/2023	Soil	1 Jar		SS02 - 0'	2								x						
8:55	7/21/2023	Soil	1 Jar		SS03 - 0'	3								x						
9:00	7/21/2023	Soil	1 Jar		SS04 - 0'	4			7					x						
9:05	7/21/2023	Soil	1 Jar		SS05 - 0'	5								x						
10:50	7/21/2023	Soil	1 Jar		SS06 - 0'	6								х						
9:38	7/21/2023	Soil	1 Jar		BH01A -1'	7								х						1
9:39	7/21/2023	Soil	1 Jar		BH02A - 1'	8								x						
												-		-	-					
Addition	al Instruction	ns: Plea	se CC: cl	ourton@enso	um.com, agiovengo@ensolum.co	om				_1										
				ty of this sample. I	am aware that tampering with or intentional gal action. Sampled by:	lly mislabelling the sampl	e locat	tion,		- 1			ing thermal p						they are samp	led or
elinguish	ed by: (Signatur	re)	Date 7,	- 2 4-27 J	Received by: (Signature)	Oate Date	23	Time	36		Recei	ved	on ice:		ab U	se Or 1	nly		\(\frac{1}{2}\)	
an	U Ann	COM	7:	14231	537 Albrew MUSS	20 7.4.	23	18	30	_	T1			<u>T2</u>			_ 1	73		
ALL	ed by: (Signatur	1115	7.	24.23 2	215 Cartle Ma	re 7/25/2	3	8:1	15		AVG T	Гem	p°C_	+						
	rix: S - Soil, Sd - S					Container	Туре	e: g - g	lass, p	- pc	oly/pla	stic,	ag - amb	oer gl	ass, \	- VO	A			
ote: Sam	ples are discard	ed 30 days	after resul	Its are reported u	inless other arrangements are made. Haratory with this COC. The liability of the l	azardous samples will	be ret	turned	to clie	nt or	dispo	sed o	f at the cl	ient e	xpens	e. Th	e repor	t for the a	nalysis of t	he above



e client expense. The report for the analysis of the above

envirotechs.

The report for the analysis of the above

envirotech Inc.

Printed: 7/25/2023 8:44:51AM

Envirotech Analytical Laboratory

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:	07/25/23 0	08:15	Work Order l	ID:	E307136
Phone:	(972) 371-5200	Date Logged In:	07/25/23 0	08:39	Logged In B	y:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	07/31/23 1	7:00 (4 day TAT)		-	
	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location man	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Cou	<u>ırier</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Com</u>	ment	ts/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>ooler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		- I	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · · · · · · · · · · · · · · · · · ·	ners concerca.	105				
	field sample labels filled out with the minimum info	ormation.					
	imple ID?	mation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does t	he COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does 1	he sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
	act Laboratory						
	mples required to get sent to a subcontract laborato	m19	No				
	subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: n	20		
		i so who:	1421	Subcontract Lab. II	ia		
Client In	struction						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Barry Miller State Com #201H

Work Order: E308036

Job Number: 23052-0001

Received: 8/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/10/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

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

Date Reported: 8/10/23

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

Project Name: Barry Miller State Com #201H

Workorder: E308036

Date Received: 8/7/2023 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/7/2023 7:45:00AM, under the Project Name: Barry Miller State Com #201H.

The analytical test results summarized in this report with the Project Name: Barry Miller State Com #201H 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

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ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS07 - 0'	5
BH03 - 0'	6
BH03 - 1'	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Matador Resources, LLC.	Project Name:	Project Name: Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/10/23 10:32

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS07 - 0'	E308036-01A Soil	08/03/23	08/07/23	Glass Jar, 2 oz.
BH03 - 0'	E308036-02A Soil	08/03/23	08/07/23	Glass Jar, 2 oz.
BH03 - 1'	E308036-03A Soil	08/03/23	08/07/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/10/2023 10:32:24AM

SS07 - 0' E308036-01

E308036-01										
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes				
Thatye	resur	Emin	Briation	Trepared	7 mary zea	rotes				
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2332010				
Benzene	ND	0.0250	1	08/07/23	08/08/23					
Ethylbenzene	ND	0.0250	1	08/07/23	08/08/23					
Toluene	ND	0.0250	1	08/07/23	08/08/23					
o-Xylene	ND	0.0250	1	08/07/23	08/08/23					
p,m-Xylene	ND	0.0500	1	08/07/23	08/08/23					
Total Xylenes	ND	0.0250	1	08/07/23	08/08/23					
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	08/07/23	08/08/23					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2332010				
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/23	08/08/23					
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.6 %	70-130	08/07/23	08/08/23					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2332039				
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/23	08/08/23					
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/23	08/08/23					
Surrogate: n-Nonane		93.4 %	50-200	08/08/23	08/08/23					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2332014				
Chloride	1900	200	10	08/07/23	08/08/23					



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/10/2023 10:32:24AM

BH03 - 0'

E308036-02									
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2332010			
Benzene	ND	0.0250	1	08/07/23	08/08/23				
Ethylbenzene	ND	0.0250	1	08/07/23	08/08/23				
Toluene	ND	0.0250	1	08/07/23	08/08/23				
o-Xylene	ND	0.0250	1	08/07/23	08/08/23				
p,m-Xylene	ND	0.0500	1	08/07/23	08/08/23				
Total Xylenes	ND	0.0250	1	08/07/23	08/08/23				
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	08/07/23	08/08/23				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2332010			
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/23	08/08/23				
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.7 %	70-130	08/07/23	08/08/23				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2332039			
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/23	08/08/23				
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/23	08/08/23				
Surrogate: n-Nonane		76.7 %	50-200	08/08/23	08/08/23				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2332014			
Chloride	4740	400	20	08/07/23	08/08/23				



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/10/2023 10:32:24AM

BH03 - 1'

E308036-03									
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2332010			
Benzene	ND	0.0250	1	08/07/23	08/08/23				
Ethylbenzene	ND	0.0250	1	08/07/23	08/08/23				
Toluene	ND	0.0250	1	08/07/23	08/08/23				
o-Xylene	ND	0.0250	1	08/07/23	08/08/23				
p,m-Xylene	ND	0.0500	1	08/07/23	08/08/23				
Total Xylenes	ND	0.0250	1	08/07/23	08/08/23				
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	08/07/23	08/08/23				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2332010			
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/07/23	08/08/23				
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.9 %	70-130	08/07/23	08/08/23				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2332039			
Diesel Range Organics (C10-C28)	ND	25.0	1	08/08/23	08/08/23				
Oil Range Organics (C28-C36)	ND	50.0	1	08/08/23	08/08/23				
Surrogate: n-Nonane		131 %	50-200	08/08/23	08/08/23				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2332014			
Chloride	409	200	10	08/07/23	08/08/23				



Barry Miller State Com #201H Matador Resources, LLC. Project Name: Reported: Project Number: 5400 LBJ Freeway, Suite 1500 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 8/10/2023 10:32:24AM **Volatile Organics by EPA 8021B** Analyst: IY Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2332010-BLK1) Prepared: 08/07/23 Analyzed: 08/07/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 o-Xylene ND 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.08 8.00 101 70-130

LCS (2332010-BS1)						Prepared: 08/07/23 Analyzed: 08/07/23
Benzene	4.77	0.0250	5.00	95.3	70-130	
Ethylbenzene	4.62	0.0250	5.00	92.3	70-130	
Toluene	4.77	0.0250	5.00	95.5	70-130	
o-Xylene	4.78	0.0250	5.00	95.6	70-130	
p,m-Xylene	9.56	0.0500	10.0	95.6	70-130	
Total Xylenes	14.3	0.0250	15.0	95.6	70-130	
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00	99.4	70-130	

Matrix Spike (2332010-MS1)		Source: E3080				Prepared: 08/07/23 Analyzed: 08/07/23	
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	
Ethylbenzene	4.68	0.0250	5.00	ND	93.5	61-133	
Toluene	4.84	0.0250	5.00	ND	96.8	61-130	
o-Xylene	4.84	0.0250	5.00	ND	96.7	63-131	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130	

Matrix Spike Dup (2332010-MSD1)	Source:	Source: E308033-01			8/07/23 Analyzed: 08/08/23			
Benzene	4.74	0.0250	5.00	ND	94.7	54-133	1.75	20
Ethylbenzene	4.58	0.0250	5.00	ND	91.7	61-133	2.03	20
Toluene	4.75	0.0250	5.00	ND	95.0	61-130	1.88	20
o-Xylene	4.74	0.0250	5.00	ND	94.8	63-131	2.03	20
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	63-131	2.00	20
Total Xylenes	14.2	0.0250	15.0	ND	94.9	63-131	2.01	20
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130		

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo8/10/2023 10:32:24AM

Dallas TX, 75240		Project Manage	r: As	shley Giovens	go			8/10	0/2023 10:32:24AM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2332010-BLK1)							Prepared: 0	8/07/23 Anal	yzed: 08/07/23		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.80		8.00		85.0	70-130					
LCS (2332010-BS2)							Prepared: 0	8/07/23 Anal	yzed: 08/07/23		
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.6	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.9	70-130					
Matrix Spike (2332010-MS2)				Source:	E308033-	01	Prepared: 0	8/07/23 Anal	yzed: 08/08/23		
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.81		8.00		85.2	70-130					
Matrix Spike Dup (2332010-MSD2)				Source:	E308033-	01	Prepared: 0	8/07/23 Anal	yzed: 08/08/23		
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.7	70-130	2.74	20			

8.00

6.85

85.6

70-130

Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo8/10/2023 10:32:24AM

Dallas 1A, 73240		Project Manager	1. As	mey Gloveng	30				6/10/2023 10.32.24A1
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2332039-BLK1)							Prepared: 0	8/08/23 A	nalyzed: 08/08/23
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.6		50.0		99.1	50-200			
.CS (2332039-BS1)							Prepared: 0	8/08/23 A	nalyzed: 08/08/23
riesel Range Organics (C10-C28)	234	25.0	250		93.7	38-132			
urrogate: n-Nonane	45.4		50.0		90.8	50-200			
Aatrix Spike (2332039-MS1)				Source:	E308036-0	03	Prepared: 0	8/08/23 A	nalyzed: 08/09/23
riesel Range Organics (C10-C28)	242	25.0	250	ND	96.7	38-132			
urrogate: n-Nonane	40.8		50.0		81.7	50-200			
Matrix Spike Dup (2332039-MSD1)				Source:	E308036-0	03	Prepared: 0	8/08/23 A	nalyzed: 08/08/23
riesel Range Organics (C10-C28)	241	25.0	250	ND	96.4	38-132	0.325	20	

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Barry Miller State Com #201H 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	8/10/2023 10:32:24AM

Anions by EPA 300.0/9056A Analys										
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2332014-BLK1)							Prepared: 0	8/07/23 Anal	yzed: 08/07/23	
Chloride	ND	20.0								
LCS (2332014-BS1)							Prepared: 0	8/07/23 Anal	yzed: 08/08/23	
Chloride	254	20.0	250		102	90-110				
Matrix Spike (2332014-MS1)				Source:	E308028-	01	Prepared: 0	8/07/23 Anal	yzed: 08/08/23	
Chloride	336	20.0	250	ND	135	80-120			M2	
Matrix Spike Dup (2332014-MSD1)				Source:	E308028-	01	Prepared: 0	8/07/23 Anal	yzed: 08/08/23	
Chloride	311	20.0	250	ND	125	80-120	7.71	20	M2	

QC Summary Report Comment:

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



Definitions and Notes

ſ	Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
١	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
١	Dallas TX, 75240	Project Manager:	Ashley Giovengo	08/10/23 10:32

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

Released to Imaging: 3/15/2024 9:11:17 AM

Client: Matador Production Company. Project: Barry Miller State Com #201H				Bill To	Bill To			Lab	Use Only			TAT				EPA P	rogram		
				Attention: Matador Production	n Company	Lab WO#		Job Number			1	D 2E	30) S	Standard	CWA	SDWA		
Project 1	Manager: As	hley Giov	rengo		Address: on file		E.26	1980	120	2	305	5Z-00	30				Х		
Address:	3122 Natio	nal Parks	Hwy		City, State, Zip:				0			and Meth							RCRA
City, State, Zip: Carlsbad NM, 88220				Phone: (337)319-8398) A	à		T										
Phone:	575-988-005	5			Email: clinton.talley@matador	Email: clinton.talley@matadorresources.com												State	
Email: agiovengo@ensolum.com				30/08				0.0		Σ	Σ			NM CO	UT AZ	TX			
Report o	ue by:						0/0		by 8021		5010		- 1		×		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number		TPH GR	1PH GRO/DRO/ORO By 8015 BTEX by 8021	BTEX by 8023		Metals 6010 Chloride 300.0		BGDOC	GDOC			Remarks		
9:58	8/3/2023	Soil	1 Jar		SS07 - 0'	1.1								х					
9:57	8/3/2023	Soil	1 Jar		BH03 - 0'	2								х					
9:59	8/3/2023	Soil	1 Jar		BH03 - 1'	3								х					
																T			
									T	1					T	1			
								+	+	1					+	+			
								+	+	+			+	+	-	+			
								-	+	+	-		-	-	+	+			
										4				1	-	-			
						V., 0													
Addition	al Instructio	ns: Plea	ise CC: cb	urton@enso	lum.com, agiovengo@ensolum.com,	, chadhmilton	@enso	lum.c	com	PI	ease s	ee rema	arks.						
				y of this sample. If y be grounds for le	I am aware that tampering with or intentionally misegal action. Sampled by:	slabelling the samp	e locatio	n,				A TOP OF THE PARTY					ed on ice the day t han 6 °C on subse	and the state of t	iled or
telle				4-23 11	:36 Michilla Coul	Date 8-4-6		me U:3	36	R	eceive	d on ice:	: (Lab	Use O	nly			
Mice		male	Date	4-23 Time	Received by: (Signature)	B.U.		17º	50	T:	1		Т	2			T3		
Relinquishe	ed by: (Signatur	NV Soi	Date	4.23 Z	Received by: (Signature)	8.7.2	3	me 7:L	15			mp °C	4						
	rix: S - Soil, Sd - S					Container	Type:	g - glas	ss, p -	poly	y/plast	ic, ag - an	mber	glass,	v - VC	AC			
					unless other arrangements are made. Hazard								clien	t expe	nse. T	he re	port for the a	nalysis of t	the above



e client expense. The report for the analysis of the above

envirotech Inc.

Envirotech Analytical Laboratory

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.

Cliont	Matador Resources, LLC.	Date Received:	08/07/23	07:45	<u> </u>	Work Order ID:	E308036
Client:							
Phone:	(972) 371-5200	Date Logged In:	08/04/23			Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	08/11/23	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location mat	ch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	carrier. <u>c</u>	<u>ourier</u>		
	all samples received within holding time?		Yes				
Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.				г		Comment	s/Resolution
	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample							
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 1	<u> </u>				
	Container ogwood VOC complex present?		No				
	aqueous VOC samples present?		No NA				
	VOC samples collected in VOA Vials?						
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field La							
	e field sample labels filled out with the minimum info	rmation:	V				
	Sample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes No				
	Preservation		140				
	the COC or field labels indicate the samples were pr	eserved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved m	etals?	No				
	ase Sample Matrix		1.0				
	s the sample have more than one phase, i.e., multiphase	202	NI-				
			No				
27. II ye	s, does the COC specify which phase(s) is to be analy	zeur	NA				
	ract Laboratory						
	samples required to get sent to a subcontract laborator	-	No				
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client I	Instruction						
1							

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Barry Miller State Com #201H

Work Order: E308239

Job Number: 23052-0001

Received: 9/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/6/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

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

Date Reported: 9/6/23

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

Project Name: Barry Miller State Com #201H

Workorder: E308239

Date Received: 9/1/2023 5:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2023 5:45:00AM, under the Project Name: Barry Miller State Com #201H.

The analytical test results summarized in this report with the Project Name: Barry Miller State Com #201H 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 reguarding 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

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Lynn Jarbuc

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Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS07A - 0'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	Donoutoda
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/06/23 07:16

Client Sample ID	Lab Sample ID Matrix	Sampled Received	Container
SS07A - 0'	E308239-01A Soil	08/30/23 09/01/23	Glass Jar, 2 oz.
SS07B - 0'	E308239-02A Soil	08/30/23 09/01/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/6/2023 7:16:07AM

SS07A - 0' E308239-01

		E308239-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335080
Benzene	ND	0.0250	1	08/31/23	09/02/23	
Ethylbenzene	ND	0.0250	1	08/31/23	09/02/23	
Toluene	ND	0.0250	1	08/31/23	09/02/23	
o-Xylene	ND	0.0250	1	08/31/23	09/02/23	
o,m-Xylene	ND	0.0500	1	08/31/23	09/02/23	
Total Xylenes	ND	0.0250	1	08/31/23	09/02/23	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	08/31/23	09/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2335080
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/31/23	09/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.4 %	70-130	08/31/23	09/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2335096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		96.8 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2335093
Chloride	199	20.0	1	08/31/23	09/01/23	



Benzene Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

QC Summary Data

Matador Resources, LLC. Barry Miller State Com #201H Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 9/6/2023 7:16:07AM **Volatile Organics by EPA 8021B** Analyst: IY RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2335080-BLK1) Prepared: 08/31/23 Analyzed: 08/31/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.46 8.00 93.3 70-130 LCS (2335080-BS1) Prepared: 08/31/23 Analyzed: 09/01/23 5.15 5.00 103 70-130 0.0250

Total Xylenes	15.5	0.0250	15.0		103	70-130	
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130	
Matrix Spike (2335080-MS1)				Source:	E308238-	06	Prepared: 08/31/23 Analyzed: 09/01/23
Benzene	5.33	0.0250	5.00	ND	107	54-133	
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133	
Toluene	5.35	0.0250	5.00	ND	107	61-130	
o-Xylene	5.29	0.0250	5.00	ND	106	63-131	
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131	
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130	

5.00

5.00

5.00

10.0

100

103

102

103

70-130

70-130

70-130

70-130

5.00

5.17

5.12

10.3

0.0250

0.0250

0.0250

0.0500

Matrix Spike Dup (2335080-MSD1)				Source:	E308238-0	06			
Benzene	5.03	0.0250	5.00	ND	101	54-133	5.89	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.1	61-133	5.89	20	
Toluene	5.04	0.0250	5.00	ND	101	61-130	5.98	20	
o-Xylene	4.99	0.0250	5.00	ND	99.9	63-131	5.82	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	5.89	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	5.87	20	
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130			

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo9/6/20237:16:07AM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			9/	6/2023 7:16:07AM
	Nor	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2335080-BLK1)							Prepared: 0	8/31/23 Ana	lyzed: 08/31/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.90		8.00		86.2	70-130			
LCS (2335080-BS2)							Prepared: 0	8/31/23 Ana	lyzed: 09/01/23
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		98.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.5	70-130			
Matrix Spike (2335080-MS2)				Source:	E308238-	06	Prepared: 0	8/31/23 Ana	lyzed: 09/01/23
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.9	70-130			
Matrix Spike Dup (2335080-MSD2)				Source:	E308238-	06	Prepared: 0	8/31/23 Ana	lyzed: 09/01/23
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130	1.28	20	

8.00

7.02

87.7

70-130

QC Summary Data

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/6/2023 7:16:07AM

Dallas 1X, /5240		Project Manager	r: As	niey Gioveng	30				9/0/2023 /:10:0/AN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335096-BLK1)							Prepared: 0	9/01/23 A	analyzed: 09/01/23
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.0		50.0		94.1	50-200			
LCS (2335096-BS1)							Prepared: 0	9/01/23 A	analyzed: 09/01/23
riesel Range Organics (C10-C28)	232	25.0	250		92.6	38-132			
urrogate: n-Nonane	43.4		50.0		86.8	50-200			
Matrix Spike (2335096-MS1)				Source:	E308231-2	23	Prepared: 0	9/01/23 A	analyzed: 09/01/23
tiesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	38-132			
urrogate: n-Nonane	45.3		50.0		90.7	50-200			
Matrix Spike Dup (2335096-MSD1)				Source:	E308231-2	23	Prepared: 0	9/01/23 A	analyzed: 09/01/23
tiesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132	0.730	20	

QC Summary Data

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Barry Miller State Com #201H 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	9/6/2023 7:16:07AM
	Anions by 1	EPA 300.0/9056A	Analyst BA

		Anions	by EPA 3	00.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2335093-BLK1)							Prepared: 0	8/31/23 Anal	yzed: 09/01/23
Chloride	ND	20.0							
LCS (2335093-BS1)							Prepared: 0	8/31/23 Anal	yzed: 09/01/23
Chloride	242	20.0	250		96.9	90-110			
Matrix Spike (2335093-MS1)				Source:	E308235-	21	Prepared: 0	8/31/23 Anal	yzed: 09/01/23
Chloride	521	20.0	250	318	81.1	80-120			
Matrix Spike Dup (2335093-MSD1)				Source:	E308235-	21	Prepared: 0	8/31/23 Anal	yzed: 09/01/23
Chloride	566	20.0	250	318	99.1	80-120	8.29	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

I	Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
I	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	09/06/23 07:16

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



age	of Receive
SDWA RCRA	Received by OCD: 11/18/2023 1:15:35 PM
>100 TPH or 600	1:15:35 PM

Client: N	Matador Pro	duction C	Company.		Dept.	Bill To				La	ab Us	se Or	nly				T	AT		EPA P	rogram
	Barry Miller				At	tention: Matador Production	Company	Lal	b WO	#		Job	Num	ber	1D	2D	3D	St	andard	CWA	SDWA
Project N	Manager: As	hley Giov	rengo		Ac	dress: on file		E	308	323	39	22	205	2.000					X		
Address:	3122 Natio	nal Parks	Hwy		Cit	y, State, Zip:						Analy	sis a	nd Metho	od						RCRA
City, Stat	e, Zip: Carls	bad NM,	88220		Ph	one: (337)319-8398			þý												
Phone:	575-988-005	5			En	nail: clinton.talley@matadorr	esources.com	n	ORO.									3		State	-
Email: a	giovengo@e	nsolum.c	com					1	0/0	_			0		ΣZ				NM CO		TX
Report d	ue by:								/DR	8021	3260	010	300				×		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		_ × 1	Remarks	
9:35	8/30/2023	Soil	1 Jar			SS07A - 0'						_			x						
9:37	8/30/2023	Soil	1 Jar			SS07B - 0'	2								×				Do not run unl	ess 5507A - 0' is Cl	>100 TPH or 600
															F						
									-						-						
									-									-			
							1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -														
Addition	al Instructio	ns: Plea	se CC: ck	ourton@ens	olum.com	, agiovengo@ensolum.com	- k	.1													
				ty of this sample.		that tampering with or intentionally misla Sampled by:	belling the samp	le loc	cation,			1-1-0-10-1							on ice the day n 6 °C on subse	The state of the s	led or
	ed by: (Signatur		Date	Tim		Received by: (Signature) Widelle Gu	Date 8-30-	23	Time	24		Reco	olypo	on ice:		ab U	se Oi	nly		V Table	
Relinguish	ed by: (Signator	elus Qu	Date	Tim	715	Received by: (Signature)	Pate 8.31		Time 2	occ		T1	.iveu	on ice.	T2	, ,			Т3		
Relinquish	ed by: (Signatur	1085n	Date	9:1:0		Receiged by Signature	Date	23	Time 5	14	5	AVG	Ten	np°C	4						
Sample Mat	rix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aqu	eous, O - Other			Containe	r Tvi	pe:g-	glass.		California Control	100		ber g	lass. v	- VO	A			
					unless othe	er arrangements are made. Hazardo													ort for the a	nalysis of t	he above
samples is	applicable only	to those sa	amples rece	eived by the lab	oratory wit	h this COC. The liability of the labora	tory is limited t	o the	e amou	nt paid	d for d	on the	repo	rt.				- cpc		,0.001	



or disposed of at the client expense. The report for the analysis of the above on the report.

Contact the client expense. The report for the analysis of the above on the report.

Printed: 9/1/2023 10:41:29AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

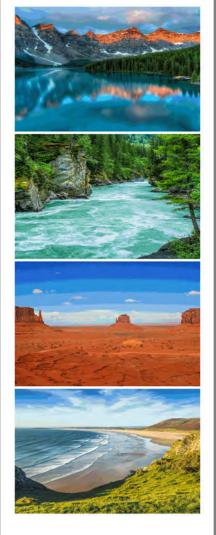
Instructions: Please take note of any NO checkmarks.

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:	09/01/23 05	:45	v	Vork Order ID:	E308239
Phone:	(972) 371-5200	Date Logged In:	08/31/23 14	:41	L	ogged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	09/07/23 17	':00 (3 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>Courier</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Comment	s/Resolution
Sample T	urn Around Time (TAT)			ſ			
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Remarks on		
Sample C	<u>Cooler</u>				SS07A-0 is	>100 TPH o	or 600 Cl.
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C	<u>Container</u>						
	queous VOC samples present?		No				
15. Are V	OC 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 n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lal	<u>pel</u>						
	field sample labels filled out with the minimum info	ormation:					
	ample ID? ate/Time Collected?		Yes	L			
	ollectors name?		Yes No				
	reservation		110				
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
	ract Laboratory						
	amples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and i	-		Subcontract Lab	· NA		
			-11-	docontract Lab	. 1471		
Client II	<u>nstruction</u>						
							()

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Barry Miller State Com #201H

Work Order: E310300

Job Number: 23052-0001

Received: 10/31/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/6/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

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

Date Reported: 11/6/23

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

Project Name: Barry Miller State Com #201H

Workorder: E310300

Date Received: 10/31/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/31/2023 8:15:00AM, under the Project Name: Barry Miller State Com #201H.

The analytical test results summarized in this report with the Project Name: Barry Miller State Com #201H 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 reguarding 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW01 - 0.5'	5
SW02 - 0.5'	6
FS02 - 01'	7
FS07 - 1'	8
FS08 - 1'	9
FS09 - 1'	10
FS10 - 1'	11
FS11 - 1'	12
FS14 - 1'	13
FS15 - 1'	14
QC Summary Data	15
QC - Volatile Organic Compounds by EPA 8260B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc	20

Sample Summary

Matador Resources, LLC.	Project Name: Barry Miller State Com #201H		Donoutode
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/06/23 14:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 - 0.5'	E310300-01A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.
SW02 - 0.5'	E310300-02A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.
FS02 - 01'	E310300-03A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.
FS07 - 1'	E310300-04A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.
FS08 - 1'	E310300-05A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.
FS09 - 1'	E310300-06A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.
FS10 - 1'	E310300-07A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.
FS11 - 1'	E310300-08A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.
FS14 - 1'	E310300-09A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.
FS15 - 1'	E310300-10A	Soil	10/27/23	10/31/23	Glass Jar, 2 oz.



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2023 2:26:04PM

SW01 - 0.5' E310300-01

		E310300-01					
Analyta	Result	Reporting Limit	Dilu	tion.	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilu	tion	rrepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	1	Analyst: F	RKS		Batch: 2344030
Benzene	ND	0.0250	1		10/31/23	11/02/23	
Ethylbenzene	ND	0.0250	1		10/31/23	11/02/23	
Toluene	ND	0.0250	1		10/31/23	11/02/23	
o-Xylene	ND	0.0250	1		10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1		10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1		10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		117 %	70-130		10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		10/31/23	11/02/23	
Surrogate: Toluene-d8		109 %	70-130		10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: F	RKS		Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		117 %	70-130		10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		10/31/23	11/02/23	
Surrogate: Toluene-d8		109 %	70-130		10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ı	Analyst: I	ΚM		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1		11/02/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1		11/02/23	11/02/23	
Surrogate: n-Nonane		90.2 %	50-200		11/02/23	11/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: E	BA		Batch: 2344100
Chloride	ND	400	20	0	11/03/23	11/04/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

SW02 - 0.5' E310300-02

		E510500-02				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Anaryti	Result	Liiiit	Dilutio	он терагей	Anaryzeu	ivotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2344030
Benzene	ND	0.0250	1	10/31/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/31/23	11/02/23	
Toluene	ND	0.0250	1	10/31/23	11/02/23	
o-Xylene	ND	0.0250	1	10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		118 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		109 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: RKS			Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		118 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		109 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/02/23	
Surrogate: n-Nonane		92.6 %	50-200	11/02/23	11/02/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2344100
Chloride	ND	400	20	11/03/23	11/04/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

FS02 - 01' E310300-03

		E510500-05				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Allaryte	Result	Limit	Dilutio	л терагец	Anaryzeu	rvotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: RKS	Batch: 2344030	
Benzene	ND	0.0250	1	10/31/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/31/23	11/02/23	
Toluene	ND	0.0250	1	10/31/23	11/02/23	
o-Xylene	ND	0.0250	1	10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		118 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		110 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		118 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		110 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
Surrogate: n-Nonane	·	93.4 %	50-200	11/02/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2344100
Chloride	ND	400	20	11/03/23	11/04/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

FS07 - 1' E310300-04

		E310300-04					
Analyte	Result	Reporting Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2344030
Benzene	ND	0.0250	1	 [10/31/23	11/02/23	
Ethylbenzene	ND	0.0250	1	- 	10/31/23	11/02/23	
Toluene	ND	0.0250	1	<u> </u>	10/31/23	11/02/23	
o-Xylene	ND	0.0250	1	l	10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1	l	10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1	l	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		116 %	70-130		10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		10/31/23	11/02/23	
Surrogate: Toluene-d8		109 %	70-130		10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		116 %	70-130		10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		10/31/23	11/02/23	
Surrogate: Toluene-d8		109 %	70-130		10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/02/23	11/03/23	
Surrogate: n-Nonane		89.6 %	50-200		11/02/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2344100
Chloride	ND	400	20	0	11/03/23	11/04/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

FS08 - 1' E310300-05

		E310300-03				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst: RKS		Batch: 2344030
Volatile Organic Compounds by EPA 8260B				10/31/23	11/02/23	Batch. 2344030
Benzene	ND	0.0250	1			
Ethylbenzene	ND	0.0250	1	10/31/23	11/02/23	
Toluene	ND	0.0250	1	10/31/23	11/02/23	
o-Xylene	ND	0.0250	1	10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		114 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		110 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		114 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		110 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
Surrogate: n-Nonane		82.0 %	50-200	11/02/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA		Batch: 2344100
Chloride	ND	400	20	11/03/23	11/04/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

FS09 - 1' E310300-06

		1010000 00				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2344030
Benzene	ND	0.0250	1	10/31/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/31/23	11/02/23	
Toluene	ND	0.0250	1	10/31/23	11/02/23	
o-Xylene	ND	0.0250	1	10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		116 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		108 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		116 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		108 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ai	nalyst: KM		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
Surrogate: n-Nonane		92.7 %	50-200	11/02/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2344100
Chloride	ND	400	20	11/03/23	11/04/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

FS10 - 1' E310300-07

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: RKS		Batch: 2344030
Benzene	ND	0.0250	1	10/31/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/31/23	11/02/23	
Toluene	ND	0.0250	1	10/31/23	11/02/23	
o-Xylene	ND	0.0250	1	10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		115 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		109 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: RKS		Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		115 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		109 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
Surrogate: n-Nonane		97.6 %	50-200	11/02/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2344100
Chloride	ND	400	20	11/03/23	11/04/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/6/2023 2:26:04PM

FS11 - 1' E310300-08

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: R	KS		Batch: 2344030
Benzene	ND	0.0250	1		10/31/23	11/02/23	
Ethylbenzene	ND	0.0250	1		10/31/23	11/02/23	
Toluene	ND	0.0250	1		10/31/23	11/02/23	
o-Xylene	ND	0.0250	1		10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1		10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1		10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		113 %	70-130		10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		10/31/23	11/02/23	
Surrogate: Toluene-d8		110 %	70-130		10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: R	KS		Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		113 %	70-130		10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		10/31/23	11/02/23	
Surrogate: Toluene-d8		110 %	70-130		10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: K	M		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1		11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1		11/02/23	11/03/23	
Surrogate: n-Nonane		87.7 %	50-200		11/02/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: B	A		Batch: 2344100
	ND	400	20		11/03/23	11/04/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

FS14 - 1' E310300-09

	_	Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2344030
Benzene	ND	0.0250	1	10/31/23	11/02/23	
Ethylbenzene	ND	0.0250	1	10/31/23	11/02/23	
Toluene	ND	0.0250	1	10/31/23	11/02/23	
o-Xylene	ND	0.0250	1	10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1	10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		114 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		108 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		114 %	70-130	10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	10/31/23	11/02/23	
Surrogate: Toluene-d8		108 %	70-130	10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1	11/02/23	11/03/23	_
Oil Range Organics (C28-C36)	ND	50.0	1	11/02/23	11/03/23	
Surrogate: n-Nonane		88.3 %	50-200	11/02/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2344100
Chloride	ND	400	20	11/03/23	11/04/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

FS15 - 1' E310300-10

		E310300-10					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2344030
Benzene	ND	0.0250	1	1	10/31/23	11/02/23	
Ethylbenzene	ND	0.0250	1	1	10/31/23	11/02/23	
Toluene	ND	0.0250	1	1	10/31/23	11/02/23	
o-Xylene	ND	0.0250	1	1	10/31/23	11/02/23	
p,m-Xylene	ND	0.0500	1	1	10/31/23	11/02/23	
Total Xylenes	ND	0.0250	1	1	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		118 %	70-130		10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		10/31/23	11/02/23	
Surrogate: Toluene-d8		110 %	70-130		10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2344030
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	10/31/23	11/02/23	
Surrogate: Bromofluorobenzene		118 %	70-130		10/31/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		10/31/23	11/02/23	
Surrogate: Toluene-d8		110 %	70-130		10/31/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2344070
Diesel Range Organics (C10-C28)	ND	25.0	1	1	11/02/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	11/02/23	11/03/23	
Surrogate: n-Nonane		83.8 %	50-200		11/02/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2344100
Chloride	ND	400	20	0	11/03/23	11/04/23	



QC Summary Data

Matador Resources, LLC. Project Name: Barry Miller State Com #201H Reported:
5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001
Dallas TX, 75240 Project Manager: Ashley Giovengo 11/6/2023 2:26:04PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			11/0	5/2023 2:26:04PM
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В		A	nalyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344030-BLK1)							Prepared: 10	0/31/23 Analy	zed: 11/02/23
Benzene	ND	0.0250					-		
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.580		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: 1,2-Dictioroeinane-u4	0.547		0.500		109	70-130			
LCS (2344030-BS1)							Prepared: 10	0/31/23 Analy	zed: 11/02/23
Benzene	2.70	0.0250	2.50		108	70-130	1		
Ethylbenzene	2.64	0.0250	2.50		106	70-130			
Foluene	2.61	0.0250	2.50		105	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.77	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.573	0.0230	0.500		115	70-130			
			0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.481 0.550		0.500		110	70-130			
-	0.550			6			D	0/21/02 A1-	1. 11/02/22
Matrix Spike (2344030-MS1)					E310292-		Prepared: 10	J/31/23 Anaiy	zed: 11/02/23
Benzene	2.77	0.0250	2.50	ND	111	48-131			
Ethylbenzene	2.75	0.0250	2.50	ND	110	45-135			
Toluene	2.69	0.0250	2.50	ND	108	48-130			
o-Xylene	2.68	0.0250	2.50	ND	107	43-135			
o,m-Xylene	5.36	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.04	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.595		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500 0.500		99.8 111	70-130 70-130			
Surrogate: Toluene-d8	0.557		0.500		111	/0-130			
Matrix Spike Dup (2344030-MSD1)					E310292-		•		zed: 11/02/23
Benzene	2.68	0.0250	2.50	ND	107	48-131	3.04	23	
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135	2.56	27	
Toluene	2.64	0.0250	2.50	ND	106	48-130	1.74	24	
o-Xylene	2.61	0.0250	2.50	ND	104	43-135	2.59	27	
p,m-Xylene	5.23 7.84	0.0500	5.00 7.50	ND ND	105 105	43-135 43-135	2.51 2.54	27 27	
Total Xylenes		0.0250		ND			2.34	41	
Surrogate: Bromofluorobenzene	0.589		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			

0.500

110

70-130



0.550

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

Dallas TX, 75240		Project Number Project Manage		3052-0001 shley Giovenยู	go				11/6/2023 2:26:04PM
	Nor	nhalogenated	Organics	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344030-BLK1)							Prepared: 1	0/31/23	Analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.580		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			
LCS (2344030-BS2)							Prepared: 1	0/31/23	Analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	57.2	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.587		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.554		0.500		111	70-130			
Matrix Spike (2344030-MS2)				Source:	E310292-0	01	Prepared: 1	0/31/23	Analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.587		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			
Matrix Spike Dup (2344030-MSD2)				Source:	E310292-0	01	Prepared: 1	0/31/23	Analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	57.1	20.0	50.0	ND	114	70-130	3.37	20	
Surrogate: Bromofluorobenzene	0.576		0.500		115	70-130			

0.500

0.500

0.496

0.556

99.2

111

70-130

70-130



QC Summary Data

Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo11/6/20232:26:04PM

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QC Summary Data

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	•
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/6/2023 2:26:04PM

Anions by EPA 300.0/9056A									Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344100-BLK1)							Prepared: 1	1/03/23 Anal	yzed: 11/04/23
Chloride	ND	20.0							
LCS (2344100-BS1)							Prepared: 1	1/03/23 Anal	yzed: 11/04/23
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2344100-MS1)				Source:	E310300-	03	Prepared: 1	1/03/23 Anal	yzed: 11/04/23
Chloride	531	400	250	ND	213	80-120			M5
Matrix Spike Dup (2344100-MSD1)				Source:	E310300-	03	Prepared: 1	1/03/23 Anal	yzed: 11/04/23
Chloride	535	400	250	ND	214	80-120	0.754	20	M5

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

l	Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/06/23 14:26

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The

accociated 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.



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/A		WA	5	2
	RC	RA	of	7. 11
te			/10/	100
AZ	TX		6207	2220
arks			1.13	7.77.

Client: I	Matador Produ	action Co	mpany.		Bill To				Lab U	se Or	nly				TA	RF.	EPA P	rogram
Project: Barry Miller State Com #201H				Attention: Matador Production Company		Lab WO#				1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Ashley Giovengo				Address: on file		E310	030	0	23052-001					X				
Address	: 3122 Nation	al Parks I	Hwy		City, State, Zip:					Analysis and Method			d					RCRA
City, Sta	te, Zip: Carlsb	ad NM, 8	38220		Phone: (337)319-8398		þ											
Phone: 575-988-0055				Email: clinton.talley@matadorresources.com		ORO SRO						ΣN				State		
Email: agiovengo@ensolum.com						GRO/DRO/ORO by	21	0	0	0.0				×	NM CO	UT AZ	TX	
Report o	due by:						00	08 /	826	601	e 30		100			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GR	TPH GR 8015 BTEX by	BTEX by 8021 VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	5
11:06	10/27/2023	Soil	1 Jar		SW01 - 0.5'	1							х					
12:56	10/27/2023	Soil	1 Jar		SW02 - 0.5'	2							х					
13:55	10/27/2023	Soil	1 Jar		FS02 - 1'	3							х					
13:44	10/27/2023	Soil	1 Jar		FS07 - 1'	4							х					
13:43	10/27/2023	Soil	1 Jar	1	FS08 - 1'	5							x					
13:42	10/27/2023	Soil	1 Jar		Fs09 - 1'	10							х					
13:38	10/27/2023	Soil	1 Jar		FS10 - 1'	7							х					
13:28	10/27/2023	Soil	1 Jar		FS11 - 1'	8							х					
13:30	10/27/2023	Soil	1 Jar		FS14 - 1'	a				m			х					
13:26	10/27/2023	Soil	1 Jar		Fs15 - 1'	10							х					
ddition	al Instruction	: Pleas	e CC: cbi	ırton@ensolum.	com, agiovengo@ensolum.com, ch	amilton@en	solum.	com,	ehaft	@ens	solur	n.com						
			-71	of this sample. I am as be grounds for legal ac	ware that tampering with or intentionally mislab	elling the sample	location,			1						ceived on ice the day ess than 6 °C on subs		pled or
telinquish	ed by: (Signature		Date	-30-23 Time 7:2	Received by: (Signature)	Date 10-30 a	33	ne 072	D	Rece	eived	on ice:	Li	-	se On	ly		
Mid	elle Cer			30-23 16	Received by: (Signature)	10/3 d	1/23/1	6:5	50	<u>T1</u>			<u>T2</u>			<u></u>		
In	ed by: (Signature		10	30/33 22:		10/3	123	8:10	_			np °C						
		d Co Clud	00 A Aqua	ous, O - Other	7	Container	Tunore	1		1.1.	In att.	an amb	or al		MOA			



e client expense. The report for the analysis of the above

enviroteches.

Control of the analysis of the above

Printed: 10/31/2023 8:59:16AM

Envirotech Analytical Laboratory

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.

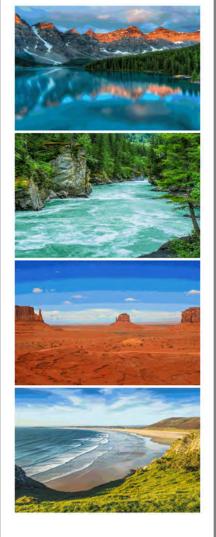
Client:	Matador Resources, LLC.	Date Received:	10/31/23	08:15		Work Order ID:	E310300
Phone:	(972) 371-5200	Date Logged In:	10/31/23			Logged In By:	Lacey Rodgers
Email:	agiovngo@ensolum.com	Due Date:		17:00 (4 day TAT)		Logged in By.	Lacey Rougers
1. Does 1 2. Does 1	F Custody (COC) the sample ID match the COC? the number of samples per sampling site location match the country of samples dropped off by client or carrier?	tch the COC	Yes Yes Yes	Carrier: C	Tourier		
		Yes	Camer. <u>C</u>	<u>ourier</u>			
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. Sample Turn Around Time (TAT) 				I		Comment	s/Resolution
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
8. If yes,	sample cooler received? was cooler received in good condition?		Yes Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
Sample	<u>Container</u>						
14. Are a	queous 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 1	non-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
S	bel field sample labels filled out with the minimum inf sample ID? Date/Time Collected? Collectors name?	ormation:	Yes Yes No				
Sample	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved i	netals?	No				
	ase Sample Matrix the sample have more than one phase, i.e., multipha	ise?	No				
	s, does the COC specify which phase(s) is to be anal		NA				
28. Are s	ract Laboratory amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and it	-	No NA	Subcontract Lab	o: NA		
Client I	nstruction_						

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

envirotech Inc.

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Barry Miller State Com #201H

Work Order: E310306

Job Number: 23052-0001

Received: 11/1/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 11/7/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

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

Date Reported: 11/7/23

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

Project Name: Barry Miller State Com #201H

Workorder: E310306

Date Received: 11/1/2023 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/1/2023 8:30:00AM, under the Project Name: Barry Miller State Com #201H.

The analytical test results summarized in this report with the Project Name: Barry Miller State Com #201H 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 reguarding 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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS01 - 1.5'	6
FS03 - 1.5'	7
FS04 - 1.5'	8
FS05 - 1.5'	9
FS06 - 1.5'	10
FS12 - 1'	11
FS13 - 1'	12
SW03 - 0.5'	13
SW04 - 0.5'	14
FS20 - 1'	15
FS21 - 1'	16
SW08 - 0.5'	17
FS16 - 1'	18
FS17 - 1'	19
FS18 - 1'	20
FS19 - 1'	21
FS24 - 1'	22
FS25 - 1.5'	23
FS26 - 1'	24
FS27 - 1'	25

Table of Contents (continued)

	FS28 - 1'	26
	FS29 - 1'	27
	FS30 - 1'	28
	FS31 - 1'	29
	FS22 - 1'	30
	FS23 - 2.5'	31
Q	C Summary Data	32
	QC - Volatile Organic Compounds by EPA 8260B	32
	QC - Volatile Organics by EPA 8021B	33
	QC - Nonhalogenated Organics by EPA 8015D - GRO	34
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	36
	QC - Anions by EPA 300.0/9056A	38
D	efinitions and Notes	40
Cl	nain of Custody etc.	41

Sample Summary

Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-000111/07/23 15:12Dallas TX, 75240Project Manager:Ashley Giovengo11/07/23 15:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 - 1.5'	E310306-01A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS03 - 1.5'	E310306-02A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS04 - 1.5'	E310306-03A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS05 - 1.5'	E310306-04A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS06 - 1.5'	E310306-05A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS12 - 1'	E310306-06A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS13 - 1'	E310306-07A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
SW03 - 0.5'	E310306-08A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
SW04 - 0.5'	E310306-09A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS20 - 1'	E310306-10A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS21 - 1'	E310306-11A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
SW08 - 0.5'	E310306-12A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS16 - 1'	E310306-13A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS17 - 1'	E310306-14A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS18 - 1'	E310306-15A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS19 - 1'	E310306-16A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS24 - 1'	E310306-17A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS25 - 1.5'	E310306-18A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS26 - 1'	E310306-19A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS27 - 1'	E310306-20A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS28 - 1'	E310306-21A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS29 - 1'	E310306-22A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS30 - 1'	E310306-23A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS31 - 1'	E310306-24A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS22 - 1'	E310306-25A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.
FS23 - 2.5'	E310306-26A	Soil	10/30/23	11/01/23	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS01 - 1.5' E310306-01

		E310300-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/03/23	
Surrogate: n-Nonane		84.3 %	50-200	11/03/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS03 - 1.5' E310306-02

		E310300-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyce	Result	Liiiit	Dilution	Trepared	Maryzea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/03/23	
Surrogate: n-Nonane		90.5 %	50-200	11/03/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS04 - 1.5' E310306-03

		E310300-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Timiye	resur	- Emili	Bitation	Trepured	7 mary zea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/03/23	
Surrogate: n-Nonane		85.4 %	50-200	11/03/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	·

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS05 - 1.5' E310306-04

		E310306-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/03/23	
Surrogate: n-Nonane		84.0 %	50-200	11/03/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS06 - 1.5' E310306-05

		E310300-05				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyee	resur	Emit	Bilation	Trepared	7 mary zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/03/23	
Surrogate: n-Nonane		80.1 %	50-200	11/03/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS12 - 1' E310306-06

		E310300-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Ellilit	Dilution	Trepared	Anaryzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/03/23	
Surrogate: n-Nonane		82.7 %	50-200	11/03/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS13 - 1' E310306-07

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2344046
ND	0.0250	1	11/01/23	11/03/23	
ND	0.0250	1	11/01/23	11/03/23	
ND	0.0250	1	11/01/23	11/03/23	
ND	0.0250	1	11/01/23	11/03/23	
ND	0.0500	1	11/01/23	11/03/23	
ND	0.0250	1	11/01/23	11/03/23	
	95.3 %	70-130	11/01/23	11/03/23	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2344046
ND	20.0	1	11/01/23	11/03/23	
	95.5 %	70-130	11/01/23	11/03/23	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2344086
ND	25.0	1	11/03/23	11/03/23	
ND	50.0	1	11/03/23	11/03/23	
	86.3 %	50-200	11/03/23	11/03/23	
mg/kg	mg/kg	Anal	yst: BA		Batch: 2344117
ND	200	10	11/04/23	11/06/23	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 MD 20.0 95.5 % mg/kg MD 25.0 ND 50.0 86.3 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Analy ND 20.0 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 86.3 % 50-200 mg/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0500 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/01/23 mg/kg mg/kg Analyst: KM ND 25.5 % 70-130 11/01/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/03/23 ND 50.0 1 11/03/23 ND 50.0 1 11/03/23 mg/kg mg/kg Analyst: BA	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 ND 0.0500 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/01/23 11/03/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/01/23 11/03/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/03/23 11/03/23 ND 50.0 1 11/03/23 11/03/23 ND 50.0 1 11/03/23 11/03/23 mg/kg mg/kg



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

SW03 - 0.5'

		E310306-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/03/23	
Surrogate: n-Nonane		81.1 %	50-200	11/03/23	11/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

SW04 - 0.5' E310306-09

		E310300-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
. Ilm., ve	resur	2		•	1 11111 / 201	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		86.7 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS20 - 1' E310306-10

		E310300-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillaly	resuit	Emit	Briation	Trepured	7 mary zea	110105
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		89.0 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS21 - 1'

E310306-11

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		84.7 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

SW08 - 0.5'

E310306-12						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		83.6 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS16 - 1' E310306-13

E310300-13							
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes		
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2344046		
ND	0.0250	1	11/01/23	11/03/23			
ND	0.0250	1	11/01/23	11/03/23			
ND	0.0250	1	11/01/23	11/03/23			
ND	0.0250	1	11/01/23	11/03/23			
ND	0.0500	1	11/01/23	11/03/23			
ND	0.0250	1	11/01/23	11/03/23			
	97.2 %	70-130	11/01/23	11/03/23			
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2344046		
ND	20.0	1	11/01/23	11/03/23			
	95.0 %	70-130	11/01/23	11/03/23			
mg/kg	mg/kg	Anal	yst: KM		Batch: 2344086		
ND	25.0	1	11/03/23	11/04/23			
ND	50.0	1	11/03/23	11/04/23			
	95.0 %	50-200	11/03/23	11/04/23			
mg/kg	mg/kg	Anal	yst: BA		Batch: 2344117		
207	200	10	11/04/23	11/06/23			
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 97.2 % mg/kg Mg/kg mg/kg ND 20.0 95.0 % mg/kg MD 25.0 ND 50.0 95.0 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.2 % 70-130 mg/kg mg/kg Analy ND 20.0 1 95.0 % 70-130 1 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 95.0 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0500 1 11/01/23 ND 0.0250 1 11/01/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/01/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/03/23 ND 50.0 1 11/03/	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 ND 0.0500 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/01/23 11/03/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/03/23 11/04/23 ND 50.0 1 11/03/23 11/04/23 ND 50.0 1 11/03/23 11/04/23 ND 50.0 1 11/03/23 11/04/23 Mg/kg mg/kg Analyst: BA		



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS17 - 1' E310306-14

eporting Limit Emg/kg 0.0250 0.0250	Dilution Analyst:	Prepared RKS 11/01/23	Analyzed	Notes Batch: 2344046
0.0250	Analyst:			Batch: 2344046
	1	11/01/23		
0.0250		11/01/23	11/03/23	
	1	11/01/23	11/03/23	
0.0250	1	11/01/23	11/03/23	
0.0250	1	11/01/23	11/03/23	
0.0500	1	11/01/23	11/03/23	
0.0250	1	11/01/23	11/03/23	
70-130)	11/01/23	11/03/23	
mg/kg	Analyst:	RKS		Batch: 2344046
20.0	1	11/01/23	11/03/23	
70-130)	11/01/23	11/03/23	
mg/kg	Analyst:	KM		Batch: 2344086
25.0	1	11/03/23	11/04/23	
50.0	1	11/03/23	11/04/23	
50-200)	11/03/23	11/04/23	
mg/kg	Analyst:	BA		Batch: 2344117
200	10	11/04/23	11/06/23	
	0.0250 0.0250 0.0500 0.0250 70-130 mg/kg 20.0 70-130 mg/kg 25.0 50.0	0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0250 1 0.0250 1 70-130 mg/kg Analyst: 20.0 1 70-130 mg/kg Analyst: 25.0 1 50.0 1 50-200 mg/kg Analyst:	0.0250	0.0250



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS18 - 1' E310306-15

		E310300-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		86.0 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS19 - 1' E310306-16

		E310300-10				
Aughte	Result	Reporting Limit	Dilution	Duamanad	Amalyzand	Notes
Analyte	Resuit	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		82.1 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS24 - 1' E310306-17

		E310300-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
					,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		85.9 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS25 - 1.5'

		E310306-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		81.3 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/06/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS26 - 1' E310306-19

		E310300-19				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
· · · · · · · · · · · · · · · · · · ·				•		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2344046
Benzene	ND	0.0250	1	11/01/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/03/23	
Toluene	ND	0.0250	1	11/01/23	11/03/23	
o-Xylene	ND	0.0250	1	11/01/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2344046
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	11/01/23	11/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2344086
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		86.3 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2344117
Chloride	ND	200	10	11/04/23	11/07/23	

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

FS27 - 1' E310306-20

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
ND	0.0250	1	11/01/23	11/03/23	
ND	0.0250	1	11/01/23	11/03/23	
ND	0.0250	1	11/01/23	11/03/23	
ND	0.0250	1	11/01/23	11/03/23	
ND	0.0500	1	11/01/23	11/03/23	
ND	0.0250	1	11/01/23	11/03/23	
	97.0 %	70-130	11/01/23	11/03/23	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2344046
ND	20.0	1	11/01/23	11/03/23	
	91.7 %	70-130	11/01/23	11/03/23	
mg/kg	mg/kg	Analy	st: KM		Batch: 2344086
ND	25.0	1	11/03/23	11/04/23	
ND	50.0	1	11/03/23	11/04/23	
	83.4 %	50-200	11/03/23	11/04/23	
mg/kg	mg/kg	Analy	st: BA		Batch: 2344117
ND	200	10	11/04/23	11/07/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 91.7 % mg/kg MD 25.0 ND 50.0 83.4 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.0 % 70-130 mg/kg mg/kg Analys ND 20.0 1 91.7 % 70-130 1 mg/kg mg/kg Analys ND 25.0 1 ND 50.0 1 83.4 % 50-200 mg/kg mg/kg Analys	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0500 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/01/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/03/23 ND 50.0 1 11/03/23 ND 50.0 1 11/03/23 83.4 % 50-200 11/03/23 mg/kg mg/kg Analyst: BA	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 ND 0.0500 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 ND 0.0250 1 11/01/23 11/03/23 MD 0.0250 1 11/01/23 11/03/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/01/23 11/03/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/03/23 11/04/23 ND 50.0 1 11/03/23 11/04/23 83.4 % 50-200 11/03/23 11/04/23 mg/kg mg/kg Analyst: BA



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/7/2023 3:12:43PM

FS28 - 1' E310306-21

Result			tion	Prepared	Analyzed	Notes
Result	Liiiit				7 mary zec	110103
mg/kg	mg/kg Analyst: RKS		Batch: 2344042			
ND	0.0250	1		11/01/23	11/02/23	
ND	0.0250	1		11/01/23	11/02/23	
ND	0.0250	1		11/01/23	11/02/23	
ND	0.0250	1		11/01/23	11/02/23	
ND	0.0500	1		11/01/23	11/02/23	
ND	0.0250	1		11/01/23	11/02/23	
	105 %	70-130		11/01/23	11/02/23	
	102 %	70-130		11/01/23	11/02/23	
	99.5 %	70-130		11/01/23	11/02/23	
mg/kg	mg/kg	A	Analyst: RK	S		Batch: 2344042
ND	20.0	1		11/01/23	11/02/23	
	105 %	70-130		11/01/23	11/02/23	
	102 %	70-130		11/01/23	11/02/23	
	99.5 %	70-130		11/01/23	11/02/23	
mg/kg	mg/kg	A	Analyst: KM	[Batch: 2344092
ND	25.0	1		11/03/23	11/04/23	
ND	50.0	1		11/03/23	11/04/23	
	85.9 %	50-200		11/03/23	11/04/23	
mg/kg	mg/kg	A	Analyst: BA			Batch: 2344118
ND	200	10)	11/04/23	11/06/23	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IOD 0.0250 IOD 6 IOD 89.5 % IOD 99.5 % IOD 99.5 % IOD 99.5 % IOD 99.5 % IOD 25.0 ND 25.0 ND 50.0 85.9 % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 105 % 70-130 102 % 70-130 99.5 % 70-130 105 % 70-130 102 % 70-130 102 % 70-130 99.5 % 70-130 mg/kg mg/kg ND 25.0 1 ND 50.0 1 85.9 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: RK ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 102 % 70-130 70-130 mg/kg mg/kg Analyst: RK ND 20.0 1 105 % 70-130 70-130 mg/kg mg/kg Analyst: RK ND 25.0 1 ND 25.0 1 ND 50.0 1 85.9 % 50-200 mg/kg Analyst: BA	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0500 1 11/01/23 ND 0.0250 1 11/01/23 ND 0.0250 1 11/01/23 ND 70-130 11/01/23 102 % 70-130 11/01/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/01/23 105 % 70-130 11/01/23 102 % 70-130 11/01/23 102 % 70-130 11/01/23 102 % 70-130 11/01/23 mg/kg mg/kg Analyst: KM ND 25.0 1 11/03/23 ND 50.0 1 11/03/23 85.9 % 50-200 11/03/23 mg/kg	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/01/23 11/02/23 ND 0.0500 1 11/01/23 11/02/23 ND 0.0250 1 11/01/23 11/02/23 ND 0.0250 1 11/01/23 11/02/23 102 % 70-130 11/01/23 11/02/23 102 % 70-130 11/01/23 11/02/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/01/23 11/02/23 102 % 70-130 11/01/23 11/02/23 102 % 70-130 11/01/23 11/02/23 102 % 70-130 11/01/23 11/02/23 102 % 70-130



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/7/2023 3:12:43PM

FS29 - 1' E310306-22

		2010000 22				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2344042
Benzene	ND	0.0250	1	11/01/23	11/02/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/02/23	
Toluene	ND	0.0250	1	11/01/23	11/02/23	
o-Xylene	ND	0.0250	1	11/01/23	11/02/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/02/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		106 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		101 %	70-130	11/01/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2344042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		106 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		101 %	70-130	11/01/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2344092
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		88.3 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2344118
Chloride	477	200	10	11/04/23	11/06/23	

Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/7/2023 3:12:43PM

FS30 - 1' E310306-23

		E310300-23					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Diit	шоп	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2344042
Benzene	ND	0.0250		1	11/01/23	11/02/23	
Ethylbenzene	ND	0.0250		1	11/01/23	11/02/23	
Toluene	ND	0.0250	į	1	11/01/23	11/02/23	
o-Xylene	ND	0.0250	į	1	11/01/23	11/02/23	
p,m-Xylene	ND	0.0500	į	1	11/01/23	11/02/23	
Total Xylenes	ND	0.0250	:	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130		11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		11/01/23	11/02/23	
Surrogate: Toluene-d8		101 %	70-130		11/01/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2344042
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130		11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		11/01/23	11/02/23	
Surrogate: Toluene-d8		101 %	70-130		11/01/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2344092
Diesel Range Organics (C10-C28)	ND	25.0		1	11/03/23	11/04/23	_
Oil Range Organics (C28-C36)	ND	50.0	:	1	11/03/23	11/04/23	
Surrogate: n-Nonane		91.8 %	50-200		11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2344118
Chloride	316	200	1	0	11/04/23	11/06/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/7/2023 3:12:43PM

FS31 - 1' E310306-24

		E310300-24				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte	Resuit	Liinit	וווונו	ion rrepared	Anaryzed	INOICS
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: RKS		Batch: 2344042
Benzene	ND	0.0250	1	11/01/23	11/02/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/02/23	
Toluene	ND	0.0250	1	11/01/23	11/02/23	
o-Xylene	ND	0.0250	1	11/01/23	11/02/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/02/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		101 %	70-130	11/01/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: RKS		Batch: 2344042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		101 %	70-130	11/01/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KM		Batch: 2344092
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		82.4 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: BA		Batch: 2344118
Chloride	466	200	10	11/04/23	11/06/23	



Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/7/2023 3:12:43PM

FS22 - 1' E310306-25

		2010000 20				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2344042
Benzene	ND	0.0250	1	11/01/23	11/02/23	
Ethylbenzene	ND	0.0250	1	11/01/23	11/02/23	
Toluene	ND	0.0250	1	11/01/23	11/02/23	
o-Xylene	ND	0.0250	1	11/01/23	11/02/23	
p,m-Xylene	ND	0.0500	1	11/01/23	11/02/23	
Total Xylenes	ND	0.0250	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		99.7 %	70-130	11/01/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2344042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01/23	11/02/23	
Surrogate: Bromofluorobenzene		105 %	70-130	11/01/23	11/02/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	11/01/23	11/02/23	
Surrogate: Toluene-d8		99.7 %	70-130	11/01/23	11/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2344092
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		86.3 %	50-200	11/03/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2344118
Chloride	ND	200	10	11/04/23	11/06/23	

Matador Resources, LLC.Project Name:Barry Miller State Com #201H5400 LBJ Freeway, Suite 1500Project Number:23052-0001Reported:Dallas TX, 75240Project Manager:Ashley Giovengo11/7/2023 3:12:43PM

FS23 - 2.5' E310306-26

		E310300-20					
Anglyta	Result	Reporting Limit	Dilut	ion D		a lyra d	Notes
Analyte	Result	Limit	Dilut	ion Prepa	ared Ar	nalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2344042
Benzene	ND	0.0250	1	11/01	/23 11	/02/23	
Ethylbenzene	ND	0.0250	1	11/01	/23 11	/02/23	
Toluene	ND	0.0250	1	11/01	/23 11	/02/23	
o-Xylene	ND	0.0250	1	11/01	/23 11	/02/23	
p,m-Xylene	ND	0.0500	1	11/01	/23 11	/02/23	
Total Xylenes	ND	0.0250	1	11/01	/23 11	/02/23	
Surrogate: Bromofluorobenzene		104 %	70-130	11/01	1/23 11	//02/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	11/01	1/23 11	/02/23	
Surrogate: Toluene-d8		99.7 %	70-130	11/01	1/23 11	/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RKS			Batch: 2344042
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/01	/23 11	/02/23	
Surrogate: Bromofluorobenzene		104 %	70-130	11/01	1/23 11	/02/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	11/01	1/23 11	/02/23	
Surrogate: Toluene-d8		99.7 %	70-130	11/01	1/23 11	//02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM			Batch: 2344092
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03	3/23 11	/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03	3/23 11	/04/23	
Surrogate: n-Nonane		86.6 %	50-200	11/03	3/23 11	//04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: BA			Batch: 2344118
Chloride	593	200	10	11/04	1/23	/06/23	

Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo11/7/20233:12:43PM

Dallas TX, 75240		Project Manage	r: As	shley Gioveng	go			11/	7//2023 3:12:43PN
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В		ı	Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344042-BLK1)							Prepared: 1	1/01/23 Anal	yzed: 11/02/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			
LCS (2344042-BS1)							Prepared: 1	1/01/23 Anal	yzed: 11/02/23
Benzene	2.43	0.0250	2.50		97.4	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.8	70-130			
Toluene	2.35	0.0250	2.50		94.0	70-130			
o-Xylene	2.38	0.0250	2.50		95.4	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.7	70-130			
Total Xylenes	7.07	0.0250	7.50		94.2	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			
Matrix Spike (2344042-MS1)				Source:	E310305-	23	Prepared: 1	1/01/23 Anal	yzed: 11/02/23
Benzene	2.40	0.0250	2.50	ND	96.1	48-131			-
Ethylbenzene	2.39	0.0250	2.50	ND	95.7	45-135			
Toluene	2.31	0.0250	2.50	ND	92.3	48-130			
p-Xylene	2.36	0.0250	2.50	ND	94.3	43-135			
p,m-Xylene	4.60	0.0500	5.00	ND	91.9	43-135			
Total Xylenes	6.95	0.0250	7.50	ND	92.7	43-135			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			
Matrix Spike Dup (2344042-MSD1)				Source:	E310305-	23	Prepared: 1	1/01/23 Anal	yzed: 11/02/23
Benzene	2.42	0.0250	2.50	ND	96.7	48-131	0.685	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.4	45-135	0.771	27	
Toluene	2.33	0.0250	2.50	ND	93.1	48-130	0.885	24	
o-Xylene	2.38	0.0250	2.50	ND	95.4	43-135	1.18	27	
p,m-Xylene	4.68	0.0500	5.00	ND	93.5	43-135	1.76	27	
Total Xylenes	7.06	0.0250	7.50	ND	94.2	43-135	1.56	27	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
C	0.510		0.500		102	70 120			



0.500

0.500

102

98.2

70-130

70-130

0.510

0.491

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Barry Miller State Com #201H 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Number: Project Manager:		6052-0001 shley Giovengo				11/	7/2023 3:12:43PM
113, 702.0									
		Volatile Or	ganics b	y EPA 8021	В				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344046-BLK1)							Prepared: 11	1/01/23 Anal	yzed: 11/03/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Coluene	ND	0.0250							
-Xylene	ND	0.0250							
,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			
LCS (2344046-BS1)							Prepared: 11	1/01/23 Anal	yzed: 11/03/23
Benzene	5.08	0.0250	5.00		102	70-130			
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130			
Coluene	5.04	0.0250	5.00		101	70-130			
-Xylene	4.98	0.0250	5.00		99.6	70-130			
,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	7.59		8.00		94.8	70-130			
Matrix Spike (2344046-MS1)				Source: E.	310306-0	02	Prepared: 11	1/01/23 Anal	yzed: 11/03/23
Benzene	5.15	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133			
Coluene	5.10	0.0250	5.00	ND	102	61-130			
-Xylene	5.04	0.0250	5.00	ND	101	63-131			
,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
urrogate: 4-Bromochlorobenzene-PID	7.53		8.00	<u> </u>	94.1	70-130			<u> </u>
Matrix Spike Dup (2344046-MSD1)				Source: E.	310306-0	02	Prepared: 11	1/01/23 Anal	yzed: 11/03/23
Benzene	5.24	0.0250	5.00	ND	105	54-133	1.75	20	
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133	1.90	20	
Coluene	5.20	0.0250	5.00	ND	104	61-130	1.96	20	
-Xylene	5.15	0.0250	5.00	ND	103	63-131	2.10	20	
,m-Xylene	10.5 15.6	0.0500	10.0	ND ND	105 104	63-131 63-131	1.82 1.91	20 20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

7.51

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

0.502

0.500

QC Summary Data

Barry Miller State Com #201H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001

Dallas TX, 75240		Project Number: Project Manager		shley Giovengo	o				11/7/2023 3:12:43PM
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344042-BLK1)							Prepared: 1	1/01/23 A	nalyzed: 11/02/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			
LCS (2344042-BS2)							Prepared: 1	1/01/23 A	analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	53.7	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			
Matrix Spike (2344042-MS2)				Source: I	E310305-2	23	Prepared: 1	1/01/23 A	analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.574		0.500		115	70-130			
Matrix Spike Dup (2344042-MSD2)				Source: I	E310305-2	23	Prepared: 1	1/01/23 A	analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130	3.21	20	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			

0.500

0.500

70-130

70-130

100

99.9

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

Dallas TX, 75240		Project Manage		hley Gioveng	go			1	1/7/2023 3:12:43PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2344046-BLK1)							Prepared: 1	1/01/23 An	alyzed: 11/03/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			
LCS (2344046-BS2)							Prepared: 1	1/01/23 An	alyzed: 11/03/23
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			
Matrix Spike (2344046-MS2)				Source:	E310306-0	02	Prepared: 1	1/01/23 An	alyzed: 11/03/23
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			
Matrix Spike Dup (2344046-MSD2)				Source:	E310306-0	02	Prepared: 1	1/01/23 An	alyzed: 11/03/23
Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.7	70-130	1.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			



Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo11/7/20233:12:43PM

Dallas 1X, /5240		Project Manage	r: As	niey Gioveng	go				11///2023 3:12:43PW
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344086-BLK1)							Prepared: 1	1/03/23 A	.nalyzed: 11/03/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.1		50.0		82.3	50-200			
LCS (2344086-BS1)							Prepared: 1	1/03/23 A	nalyzed: 11/03/23
Diesel Range Organics (C10-C28)	225	25.0	250		90.1	38-132			
Surrogate: n-Nonane	43.8		50.0		87.6	50-200			
Matrix Spike (2344086-MS1)				Source:	E310306-	06	Prepared: 1	1/03/23 A	nalyzed: 11/03/23
Diesel Range Organics (C10-C28)	220	25.0	250	ND	87.9	38-132			
Surrogate: n-Nonane	42.7		50.0		85.5	50-200			
Matrix Spike Dup (2344086-MSD1)				Source:	E310306-	06	Prepared: 1	1/03/23 A	nalyzed: 11/03/23
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.7	38-132	0.229	20	
Surrogate: n-Nonane	43.0		50.0		85.9	50-200			

Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo11/7/20233:12:43PM

Dallas 1X, /5240		Project Manage	r: As	sniey Gioveng	go				11///2023 3:12:43PN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344092-BLK1)							Prepared: 1	1/03/23 A	nalyzed: 11/03/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	43.1		50.0		86.3	50-200			
LCS (2344092-BS1)							Prepared: 1	1/03/23 A	nalyzed: 11/03/23
Diesel Range Organics (C10-C28)	211	25.0	250		84.5	38-132			
Gurrogate: n-Nonane	41.2		50.0		82.4	50-200			
Matrix Spike (2344092-MS1)				Source:	E310306-2	24	Prepared: 1	1/03/23 A	nalyzed: 11/03/23
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.9	38-132			
urrogate: n-Nonane	37.6		50.0		75.1	50-200			
Matrix Spike Dup (2344092-MSD1)				Source:	E310306-2	24	Prepared: 1	1/03/23 A	nalyzed: 11/03/23
Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.3	38-132	2.64	20	
Gurrogate: n-Nonane	43.5		50.0		86.9	50-200			

Chloride

QC Summary Data

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

Dallas TX, 75240		Project Manager	r: As	shley Gioveng	ço			11.	7//2023 3:12:43PM
		Anions	by EPA 3	00.0/9056 <i>A</i>	\ \				Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2344117-BLK1)							Prepared: 1	1/04/23 Anal	yzed: 11/04/23
Chloride	ND	20.0							
LCS (2344117-BS1)							Prepared: 1	1/04/23 Anal	yzed: 11/04/23
Chloride	248	20.0	250		99.0	90-110			
Matrix Spike (2344117-MS1)				Source:	E310306-	09	Prepared: 1	1/04/23 Anal	yzed: 11/06/23
Chloride	293	200	250	ND	117	80-120			
Matrix Snike Dun (2344117-MSD1)				Source:	E310306_	09	Prepared: 1	1/04/23 Anal	vzed: 11/06/23

250

200

80-120



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	·
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/7/2023 3:12:43PM

	Anions by EPA 300.0/9056A						Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344118-BLK1)							Prepared: 1	1/04/23 Ana	alyzed: 11/06/23
Chloride	ND	20.0							
LCS (2344118-BS1)							Prepared: 1	1/04/23 Ana	alyzed: 11/06/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2344118-MS1)				Source: E310306-26			Prepared: 11/04/23 Analyzed: 11/06/23		
Chloride	363	200	250	593	NR	80-120			M2
Matrix Spike Dup (2344118-MSD1)				Source: E310306-26			Prepared: 11/04/23 Analyzed: 11/06/23		
Chloride	761	200	250	593	67.2	80-120	70.7	20	M2, R3

QC Summary Report Comment:

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



Definitions and Notes

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/07/23 15:12

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The

accociated 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.



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	Barry	remain velo			Bill To				Lo	ab U	se On	ly				TA	11	EPAP	rogram
			tate Com	201H	Attention: Matador Productio	n Company	Lab	WO#	F			lumbe		1D	2D	3D	Standard	CWA	SDWA
	anager: As	hley Giov	rengo		Address: on file		E.	310	30	ماد	230	52-1	1000C				x		
Address:	3122 Nation	nal Parks	Hwy		City, State, Zip:	- 4					Analy	sis and	Metho	d					RCRA
City, State	, Zip: Carls	bad NM,	88220		Phone: (337)319-8398			by									V		
Phone: 57	75-988-005	5			Email: clinton.talley@matador	resources.con	1	ORO										State	
Email: agi	iovengo@e	nsolum.c	om					RO/	21	0		0.0		ΣZ		×	NM CO	UT AZ	TX
Report du	ie by:							0/0	/ 8021	826	601(e 30					×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	втех by	VOC by 8260	Metals 6010	Chloride 300.0		верос		GDOC		Remarks	
9:53	10/30/2023	Soil	1 Jar		FS01 - 1.5'	1								х					
9:07	10/30/2023	Soil	1 Jar		FS03 - 1.5'	2								х					
9:09	10/30/2023	Soil	1 Jar		FS04 - 1.5'	3								х					
9:18	10/30/2023	Soil	1 Jar		FS05 - 1.5'	Ц								х					
	10/30/2023	Soil	1 Jar		FS06 - 1.5'	5								х					
Page 1:19	10/30/2023	Soil	1 Jar		FS12 - 1'	le								х					
0 1:21	10/30/2023	Soil	1 Jar		FS13 - 1'	7								х					
1:27	10/30/2023	Soil	1 Jar		SW03 - 0.5'	8								х					
10:27	10/30/2023	Soil	1 Jar		SW04 - 0.5'	9								х					
10:55	10/30/2023	Soil	1 Jar		FS20 - 1'	10						1		х					
Additional	l Instruction	ns: Plea	se CC: cb	ourton@ensol	um.com, agiovengo@ensolum.com,	chamilton@e	nsol	lum.c	om,	ehaf	t@en	solum.	com						
		and the same		ty of this sample. I y be grounds for le	am aware that tampering with or intentionally mis gal action. Sampled by:	Be for		ation,									eived on ice the day ss than 6 °C on subse		ed or
Etter		4			100 Middle Genze		1)	Time	00		Rece	ived or	ice:	70	b Us)/ N	e Onl	У		
mich	d by: (Signatur	weile	Date 10	71-13 Time	45 Kidew sys	Date 10.31	1.23	Time	30		<u>T1</u>			<u>T2</u>			<u>T3</u>		
Made	a no	150	10.	31.23 2		11/1						Temp ^c				1/2			
	x: S - Soil, Sd - So				inless other arrangements are made. Hazaro	> Containe		-											



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anager: Asl				Address: on file		E-	310	30	6	23	3052.	000				X	Table .	1
3122 Nation				City, State, Zip:				_	1	Analys	is and M	ethod	ł					RCRA
		88220		Phone: (337)319-8398			by by											
				Email: clinton.talley@matad	lorresources.com		ORC				- 1						State	
ovengo@e	nsolum.c	om					RO/	11	0		0.0		Σ		×	NM CO	UT AZ	TX
e by:				lea-			0/0	/ 80	826	601	e 30				1	×		h H
Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		ТРН GR 8015	BTEX by	VOC by	Metals	Chlorid		BGDO		CDOC		Remarks	
10/30/2023	Soil	1 Jar		FS21 - 1'	11								х					
10/30/2023	Soil	1 Jar		SW08 - 0.5'	13			1					х					
10/30/2023	Soil	1 Jar		FS16 - 1'	13								х					
10/30/2023	Soil	1 Jar		FS17 - 1'	14								х					
10/30/2023	Soil	1 Jar		FS18 - 1'	15								х					
10/30/2023	Soil	1 Jar		FS19 - 1'	Ne								х					
10/30/2023	Soil	1 Jar		FS24 -1'	l'7								x					
10/30/2023	Soil	1 Jar		FS25 - 1.5'	18								х					
10/30/2023	Soil	1 Jar		FS26 - 1'	19								х					
10/30/2023	Soil	1 Jar		FS27 - 1'	20							16	х					
Instruction	ns: Plea	se CC: ck	ourton@enso	olum.com, agiovengo@ensolum.co	m, chamilton@e	nsol	um.co	om, e	haft	@ens	solum.co	om						
				6		e locat	tion,											led or
by: (Signatur	e)	Date	Time	Received by: (Signature) 700 McCulle Cun	Date 10313	13	Time	00		Recei	ved on i	ce:			e Onl	У		
le Go	male		31-23 1	545 More misse	10.31	23		30		T1			T2			<u></u>		
		Date 10	1 0000	Received by: (Signature)	Date	23	Time	30)	AVG	Γemp °C	U						
: S - Soil, Sd - So	olid, Sg - Slu	dge, A - Aqu	eous, O - Other _	7.00	Container	Туре	e: g - g	glass, I	p - p	oly/pla	astic, ag -	amb	er gla	iss, v	- VOA			
00 e 0 a a a a a a a a a a a a a a a a a	Zip: Carls 5-988-005 vengo@e by: ate Sampled 0/30/2023 0/30/2023 0/30/2023 0/30/2023 0/30/2023 0/30/2023 0/30/2023 0/30/2023 10/30/2023	Zip: Carlsbad NM, 5-988-0055 ovengo@ensolum.co e by: ate Sampled Matrix 0/30/2023 Soil 0/30/202	Zip: Carlsbad NM, 88220 5-988-0055 25-	Zip: Carlsbad NM, 88220 5-988-0055 Evengo@ensolum.com Eby: ate Sampled Matrix No. of Containers Sample ID 0/30/2023 Soil 1 Jar 1 Jar 0/30/2023 Soil 1 Jar 1 Instructions: Please CC: cburton@ensc	Zip: Carlsbad NM, 88220 S-988-0055 Sample ID Sample ID	Phone: (337)319-8398 Email: clinton.talley@matadorresources.com Phone: (337)139-8398 Email: clinton.talley@matadorresources.com Phon	Zip: Carlsbad NM, 88220 5-988-0055 webgo@ensolum.com beby: ate Sampled Matrix Constainers Sample ID O/30/2023 Soil 1 Jar O/30/2023 Soil 1 Jar O/30/2023 Soil 1 Jar FS16 - 1' O/30/2023 Soil 1 Jar FS16 - 1' O/30/2023 Soil 1 Jar FS18 - 1' O/30/2023 Soil 1 Jar FS19 - 1' O/30/2023 Soil 1 Jar FS24 - 1' O/30/2023 Soil 1 Jar FS25 - 1.5' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2024 Soil 1 Jar FS27 - 1' O/30/2024 Soil 1 Jar FS27 - 1' O/30/2025 Soil 1 Jar FS27 - 1' O/30/2026 Soil 1 Jar FS27 - 1' O/30/2027 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2024 Soil 1 Jar FS27 - 1' O/30/2024 Soil 1 Jar FS27 - 1' O/30/2025 Soil 1 Jar FS27 - 1' O/30/2026 Soil 1 Jar FS27 - 1' O/30/2027 Soil 1 Jar FS27 - 1' O/30/2028 Soil 1 Jar FS27 - 1' O/30/2029 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2024 Soil 1 Jar FS27 - 1' O/30/2025 Soil 1 Jar FS27 - 1' O/30/2026 Soil 1 Jar FS27 - 1' O/30/2027 Soil 1 Jar FS26 - 1' O/30/2028 Soil 1 Jar FS27 - 1' O/30/2029 Soil 1 Jar FS27 - 1' O/30/2029 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil 1 Jar FS27 - 1' O/30/2023 Soil 1 Jar FS26 - 1' O/30/2023 Soil	Zip: Carlsbad NM, 88220 5-988-0055 Sevengo@ensolum.com seby: ate Sampled Matrix No. of Constainers D/30/2023 Soil 1 Jar SW08 - 0.5' D/30/2023 Soil 1 Jar SW08 - 0.5' D/30/2023 Soil 1 Jar FS16 - 1' D/30/2023 Soil 1 Jar FS18 - 1' D/30/2023 Soil 1 Jar FS18 - 1' D/30/2023 Soil 1 Jar FS18 - 1' D/30/2023 Soil 1 Jar FS24 - 1' D/30/2023 Soil 1 Jar FS25 - 1.5' D/30/2023 Soil 1 Jar FS26 - 1' D/30/2023 Soil 1 Jar FS27 - 1' D/30/2023 Soil 1 Jar FS26 - 1' D/30/30/2023 Soil 1 Jar FS26 - 1' D/3	Zip: Carlsbad NM, 88220 5-988-0055 wengo@ensolum.com t-by: ate Sampled Matrix Constants Soil 1 Jar FS21-1' O/30/2023 Soil 1 Jar SW08-0.5' O/30/2023 Soil 1 Jar FS16-1' O/30/2023 Soil 1 Jar FS26-1' Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, etc., attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, collection is considered fraud and may be grounds for legal action. Sampled by: Col & But FM Time Received by: (Signature) Date Time Received by: (Signature) O/31/23 Time Time Received by: (Signature) O/31/24 Container Type: g- glass, s-Soil, Sd-Solid, Sg-Sludge, A-Aqueous, O-Other	Phone: (337)319-8398 Email: clinton.talley@matadorresources.com Phone: (337)319-8398 Phone:	Phone: (337)319-8398	Phone: (337)319-93398 Email: clinton.talley@matadorresources.com Phone: (337)319-93398 Phone: (337)319-933	Phone: (337)319-8398 Fail: clinton.talley@matadorresources.com					



e client expense. The report for the analysis of the above

Client: 1	Matador Pro	duction C	ompany		Bill To				La	b U	e On	ly				TA	AT	EPA P	rogram
Project:		Miller S	10 P 10 10 P 10 P	E SECTION OF THE SECT	Attention: Matador Production	n Company	Lab	WO#				lumbe		1D	2D	3D	Standard	CWA	SDWA
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
11:46	10/30/2023	Soil	1 Jar		FS28 - 1'	21		W						х					
11:56	10/30/2023	Soil	1 Jar		FS29 - 1'	22								х					
12:00	10/30/2023	Soil	1 Jar		FS30 - 1'	23								х					
13:31	10/30/2023	Soil	1 Jar		FS31 - 1'	DU								х					
3:34 a	10/30/2023	Soil	1 Jar		FS22 - 1'	25								х					
Page 43 of 44	10/30/2023	Soil	1 Jar		FS23 - 2.5'	20								х					
of 4.														х					
														х					
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Addition	nal Instruction	ns: Plea	ase CC: c	burton@ens	solum.com, agiovengo@ensolum.com,	chamilton@	enso	lum.c	om,	ehaf	t@en	solum	.com						
	ppler), attest to the				e. I am aware that tampering with or intentionally mis r legal action. Sampled by:	slabelling the samp	ole loca	ation,									ceived on ice the day less than 6 °C on subs		oled or
Relinquish 4+1/1	ned by: (Signatu	re)/	Date /U/	16	me Received by: (Signature)	Date	27	Time	00)	Rece	ived o	n ice:		ab U	se On	nly		
Much		eluple	- Date	-31-27	Received by: (Signature)	Date 10.3	1.23	Time	30		T1			<u>T2</u>			T3		
Relinquish	ed by: (Signatu	ne)	Date	31.23	me Received by: (Signature)	Date	23	Time	:3	0	AVG	Temp	°c_L	4					
Sample Ma	trix: S - Soil, Sd -	Solid, Sg - Slu	idge, A - Aq	ueous, O - Other	7	Containe		oe: g -	glass,	p - p	oly/pl	lastic, a	g - am	ber gl					
Note: Sam	ples are discar	ded 30 days	s after resu	ilts are reporte	d unless other arrangements are made. Hazard	dous samples wil	l be re	eturne	d to cl	ient o	or dispo	osed of a	at the c	lient e	xpens	e. Th	e report for the	analysis of t	the above
amples is	applicable only	to those s	amples red	ceived by the la	aboratory with this COC. The liability of the labor	ratory is limited	to the	amou	nt pai	d for	on the	report.	75						



e client expense. The report for the analysis of the above

Printed: 11/1/2023 12:05:13PM

Envirotech Analytical Laboratory

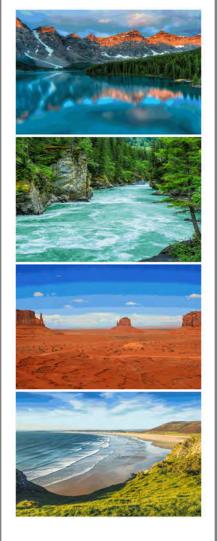
Sample Receipt Checklist (SRC)

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:	10/30/23	08:30		Work Order ID:	E310306
Phone:	(972) 371-5200	Date Logged In:	10/31/23	14:53		Logged In By:	Lacey Rodgers
Email:	agiovngo@ensolum.com	Due Date:	11/03/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	mples dropped off by client or carrier?		Yes	Carrier: C	<u>ourier</u>		
4. Was the	COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes	_		Comment	s/Resolution
Sample To	ırn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>ooler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes, w	vas cooler received in good condition?		Yes				
9. Was the	sample(s) received intact, i.e., not broken?		Yes				
10. Were o	ustody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
12. Was the	sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no v	isible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>ontainer</u>						
14. Are aq	ueous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the l	nead space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	n-VOC samples collected in the correct containers	?	Yes				
19. Is the a	ppropriate volume/weight or number of sample contai	ners collected?	Yes				
Field Lab	<u>el</u>						
	ield sample labels filled out with the minimum info	ormation:					
	mple ID?		Yes				
	ute/Time Collected? ollectors name?		Yes	_			
	reservation		No				
	he COC or field labels indicate the samples were p	reserved?	No				
	mple(s) correctly preserved?	10501 704.	NA				
	ilteration required and/or requested for dissolved r	netals?	No				
	se Sample Matrix		110				
	he sample watrix he sample have more than one phase, i.e., multipha	usa?	No				
	does the COC specify which phase(s) is to be analy		No				
		yzcu:	NA				
	act Laboratory						
	mples required to get sent to a subcontract laborate	•	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client In	<u>struction</u>						

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name: Barry Miller State Com #201H

Work Order: E311019

Job Number: 23052-0001

Received: 11/2/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/8/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

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

Date Reported: 11/8/23

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

Project Name: Barry Miller State Com #201H

Workorder: E311019

Date Received: 11/2/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/2/2023 8:15:00AM, under the Project Name: Barry Miller State Com #201H.

The analytical test results summarized in this report with the Project Name: Barry Miller State Com #201H 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

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labadmin@envirotech-inc.com

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Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative
Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

-	Title Page	1
(Cover Page	2
-	Table of Contents	3
,	Sample Summary	5
,	Sample Data	6
	FS32 - 1.5'	6
	FS33 - 1.5'	7
	FS34 - 1'	8
	FS35 - 1'	9
	FS36 - 1'	10
	FS37 - 1'	11
	FS38 - 1'	12
	FS39 - 1'	13
	FS40 - 1'	14
	FS41 - 1'	15
	FS42 - 1'	16
	FS43 - 1'	17
	SW05 - 0.5'	18
	SW06 - 0.5'	19
	SW07 - 0.5'	20
(QC Summary Data	21
	QC - Volatile Organics by EPA 8021B	21
	QC - Nonhalogenated Organics by EPA 8015D - GRO	22
	QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	23
	QC - Anions by EPA 300.0/9056A	24

Table of Contents (continued)

Definitions and Notes	25
Chain of Custody etc.	26

Sample Summary

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	Donortode
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/08/23 13:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS32 - 1.5'	E311019-01A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS33 - 1.5'	E311019-02A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS34 - 1'	E311019-03A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS35 - 1'	E311019-04A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS36 - 1'	E311019-05A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS37 - 1'	E311019-06A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS38 - 1'	E311019-07A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS39 - 1'	E311019-08A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS40 - 1'	E311019-09A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS41 - 1'	E311019-10A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS42 - 1'	E311019-11A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
FS43 - 1'	E311019-12A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
SW05 - 0.5'	E311019-13A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
SW06 - 0.5'	E311019-14A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.
SW07 - 0.5'	E311019-15A	Soil	10/31/23	11/02/23	Glass Jar, 2 oz.

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS32 - 1.5' E311019-01

	E311019-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
ND	0.0250	1	11/02/23	11/05/23	
ND	0.0250	1	11/02/23	11/05/23	
ND	0.0250	1	11/02/23	11/05/23	
ND	0.0250	1	11/02/23	11/05/23	
ND	0.0500	1	11/02/23	11/05/23	
ND	0.0250	1	11/02/23	11/05/23	
	93.7 %	70-130	11/02/23	11/05/23	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
ND	20.0	1	11/02/23	11/05/23	
	91.8 %	70-130	11/02/23	11/05/23	
mg/kg	mg/kg	Analy	st: JL		Batch: 2344122
ND	25.0	1	11/04/23	11/04/23	
ND	50.0	1	11/04/23	11/04/23	
	98.0 %	50-200	11/04/23	11/04/23	
mg/kg	mg/kg	Analy	st: BA		Batch: 2345013
ND	200	10	11/06/23	11/07/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg MB/kg mg/kg MB/kg mg/kg ND 20.0 91.8 % mg/kg ND 25.0 ND 50.0 98.0 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 93.7 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 91.8 % 70-130 mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 98.0 % 50-200 mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/02/23 ND 0.0250 1 11/02/23 ND 0.0250 1 11/02/23 ND 0.0500 1 11/02/23 ND 0.0250 1 11/02/23 MD 0.0250 1 11/02/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/02/23 mg/kg mg/kg Analyst: JL ND 25.0 1 11/04/23 ND 50.0 1 11/04/23 ND 50.0 1 11/04/23 Mg/kg mg/kg Analyst: JL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 ND 0.0500 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/02/23 11/05/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/02/23 11/05/23 mg/kg mg/kg Analyst: JL ND 25.0 1 11/04/23 11/04/23 ND 50.0 1 11/04/23 11/04/23 ND 50.0 1 11/04/23 11/04/23

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS33 - 1.5'

		E311019-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		92.5 %	50-200	11/04/23	11/04/23	<u> </u>
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345013
Chloride	ND	200	10	11/06/23	11/07/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS34 - 1'

		E311019-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		96.0 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2345013
Chloride	ND	200	10	11/06/23	11/07/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS35 - 1'

E311019-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	it: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		98.8 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	it: BA		Batch: 2345013
Chloride	ND	200	10	11/06/23	11/07/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS36 - 1' E311019-05

		E311017-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
oluene	ND	0.0250	1	11/02/23	11/05/23	
-Xylene	ND	0.0250	1	11/02/23	11/05/23	
,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		99.0 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345013
Chloride	ND	200	10	11/06/23	11/07/23	
Chloride	ND	200	10	11/06/23	11/07/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS37 - 1'

		E311019-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		96.6 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345013
Chloride	ND	200	10	11/06/23	11/07/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS38 - 1'

E311019-07							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071	
Benzene	ND	0.0250	1	11/02/23	11/05/23		
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23		
Toluene	ND	0.0250	1	11/02/23	11/05/23		
o-Xylene	ND	0.0250	1	11/02/23	11/05/23		
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23		
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23		
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	11/02/23	11/05/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %	70-130	11/02/23	11/05/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2344122	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23		
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23		
Surrogate: n-Nonane		98.6 %	50-200	11/04/23	11/04/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345013	
Chloride	ND	200	10	11/06/23	11/07/23		



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS39 - 1'

E311019-08

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		96.8 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2345013
·	ND	200	10	11/06/23	11/07/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS40 - 1' E311019-09

	E311017-07				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: RKS		Batch: 2344071
ND	0.0250	1	11/02/23	11/05/23	
ND	0.0250	1	11/02/23	11/05/23	
ND	0.0250	1	11/02/23	11/05/23	
ND	0.0250	1	11/02/23	11/05/23	
ND	0.0500	1	11/02/23	11/05/23	
ND	0.0250	1	11/02/23	11/05/23	
	92.6 %	70-130	11/02/23	11/05/23	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
ND	20.0	1	11/02/23	11/05/23	
	90.8 %	70-130	11/02/23	11/05/23	
mg/kg	mg/kg	Analy	yst: JL		Batch: 2344122
ND	25.0	1	11/04/23	11/04/23	
ND	50.0	1	11/04/23	11/04/23	
	95.8 %	50-200	11/04/23	11/04/23	
mg/kg	mg/kg	Analy	vst: BA		Batch: 2345013
ND	200	10	11/06/23	11/07/23	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MB/kg mg/kg MB/kg mg/kg MB/kg mg/kg ND 25.0 ND 50.0 95.8 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 92.6 % 70-130 70-130 mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 95.8 % 50-200 mg/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/02/23 ND 0.0250 1 11/02/23 ND 0.0250 1 11/02/23 ND 0.0500 1 11/02/23 ND 0.0250 1 11/02/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/02/23 mg/kg mg/kg Analyst: JL ND 25.0 1 11/04/23 ND 50.0 1 11/04/23 ND 50.0 1 11/04/23 mg/kg mg/kg Analyst: JL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 ND 0.0500 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 MD 0.0250 1 11/02/23 11/05/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/02/23 11/05/23 mg/kg mg/kg Analyst: JL ND 25.0 1 11/04/23 11/04/23 ND 25.0 1 11/04/23 11/04/23 11/04/23 ND 50.0 1 11/04/23 11/04/23 Mg/kg mg/kg Analyst: BA

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS41 - 1' E311019-10

		E311019-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Ellilit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		96.7 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345013
Chloride	ND	200	10	11/06/23	11/07/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS42 - 1'

E311019-11

Reporting							
Result	Limit	Dilution	Prepared	Analyzed	Notes		
mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071		
ND	0.0250	1	11/02/23	11/05/23			
ND	0.0250	1	11/02/23	11/05/23			
ND	0.0250	1	11/02/23	11/05/23			
ND	0.0250	1	11/02/23	11/05/23			
ND	0.0500	1	11/02/23	11/05/23			
ND	0.0250	1	11/02/23	11/05/23			
	94.3 %	70-130	11/02/23	11/05/23			
mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071		
ND	20.0	1	11/02/23	11/05/23			
	90.7 %	70-130	11/02/23	11/05/23			
mg/kg	mg/kg	Analy	st: JL		Batch: 2344122		
ND	25.0	1	11/04/23	11/04/23			
ND	50.0	1	11/04/23	11/04/23			
	96.0 %	50-200	11/04/23	11/04/23			
mg/kg	mg/kg	Analy	st: BA		Batch: 2345013		
ND	200	10	11/06/23	11/07/23			
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 94.3 % mg/kg MB/kg mg/kg MB/kg mg/kg ND 25.0 ND 50.0 96.0 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Analy ND 20.0 1 Mg/kg mg/kg Analy ND 25.0 1 ND 50.0 1 MD 50.200 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/02/23 ND 0.0250 1 11/02/23 ND 0.0250 1 11/02/23 ND 0.0500 1 11/02/23 ND 0.0250 1 11/02/23 ND 0.0250 1 11/02/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/02/23 mg/kg mg/kg Analyst: JL ND 25.0 1 11/04/23 ND 50.0 1 11/04/23 ND 50.0 1 11/04/23 ND 50.0 1 11/04/23 ND 50.0 1 11/04/23 Mg/kg mg/kg Analyst: BA	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 ND 0.0500 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 ND 0.0250 1 11/02/23 11/05/23 MD 0.0250 1 11/02/23 11/05/23 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/02/23 11/05/23 mg/kg mg/kg Analyst: JL ND 25.0 1 11/04/23 11/04/23 ND 50.0 1 11/04/23 11/04/23 ND 50.0 1 11/04/23 11/04/23 MD 50.0 1 11/04/23 11/04/23 <		



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

FS43 - 1'

E311019-12

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		98.0 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345013
Chloride	ND	200	10	11/06/23	11/07/23	•



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

SW05 - 0.5'

		E311019-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		85.8 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2345013
Chloride	ND	200	10	11/06/23	11/07/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

SW06 - 0.5'

		E311019-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		96.8 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345013
Chloride	298	200	10	11/06/23	11/07/23	



Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

SW07 - 0.5'

		E311019-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Benzene	ND	0.0250	1	11/02/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/05/23	
Toluene	ND	0.0250	1	11/02/23	11/05/23	
o-Xylene	ND	0.0250	1	11/02/23	11/05/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344071
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	11/02/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2344122
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		105 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2345013
Chloride	ND	200	10	11/06/23	11/07/23	·



Barry Miller State Com #201H Matador Resources, LLC. Project Name: Reported: 5400 LBJ Freeway, Suite 1500 Project Number: 23052-0001 Dallas TX, 75240 Project Manager: Ashley Giovengo 11/8/2023 1:18:32PM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2344071-BLK1) Prepared: 11/02/23 Analyzed: 11/05/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.46 8.00 93.3 70-130 LCS (2344071-BS1) Prepared: 11/02/23 Analyzed: 11/05/23 5.22 104 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.00 0.0250 5.00 100 70-130 5.21 0.0250 5.00 104 70-130 Toluene 103 o-Xylene 5.14 0.0250 5.00 70-130 10.3 10.0 103 70-130 0.0500 p.m-Xvlene 103 70-130 15.5 15.0 Total Xylenes 0.0250 8.00 92.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.40 Matrix Spike (2344071-MS1) Source: E311019-02 Prepared: 11/02/23 Analyzed: 11/05/23 5.44 0.0250 5.00 ND 54-133 Benzene ND 104 61-133 Ethylbenzene 5.20 0.0250 5.00 Toluene 5.42 0.0250 5.00 ND 108 61-130 5.33 ND 107 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.7 0.0500 10.0 ND 107 63-131 16.0 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.32 8.00

Source: E311019-02

96.4

101

99.0

99.4

99.3

91.8

54-133

61-133

61-130

63-131

63-131

63-131

70-130

7.34

7.54

7 47

7.41

7.50

7.47

ND

ND

ND

ND

ND

ND



Prepared: 11/02/23 Analyzed: 11/05/23

20

20

20

20

20

Matrix Spike Dup (2344071-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

5.06

4.82

5.03

4.95

9.94

14.9

7.34

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	Reported:
5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

Dallas TX, 75240		Project Manage		shley Gioveng	go			1	1/8/2023 1:18:32PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2344071-BLK1)							Prepared: 1	1/02/23 Ana	alyzed: 11/05/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.8	70-130			
LCS (2344071-BS2)							Prepared: 1	1/02/23 Ana	alyzed: 11/05/23
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0		90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			
Matrix Spike (2344071-MS2)				Source:	E311019-0)2	Prepared: 1	1/02/23 Ana	alyzed: 11/05/23
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			
Matrix Spike Dup (2344071-MSD2)				Source:	E311019-0)2	Prepared: 1	1/02/23 Ana	alyzed: 11/05/23
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.2	70-130	6.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			



Matador Resources, LLC.Project Name:Barry Miller State Com #201HReported:5400 LBJ Freeway, Suite 1500Project Number:23052-0001Dallas TX, 75240Project Manager:Ashley Giovengo11/8/20231:18:32PM

Dallas TX, 75240		Project Manager	r: As	hley Gioveng	go				11/8/2023 1:18:32PN
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344122-BLK1)							Prepared: 1	1/04/23 A	nalyzed: 11/04/23
riesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.1		50.0		104	50-200			
.CS (2344122-BS1)							Prepared: 1	1/04/23 A	nalyzed: 11/04/23
riesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
urrogate: n-Nonane	55.5		50.0		111	50-200			
Matrix Spike (2344122-MS1)				Source:	E311019-0	05	Prepared: 1	1/04/23 A	nalyzed: 11/04/23
tiesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
urrogate: n-Nonane	51.4		50.0		103	50-200			
Matrix Spike Dup (2344122-MSD1)				Source:	E311019-0	05	Prepared: 1	1/04/23 A	nalyzed: 11/04/23
tiesel Range Organics (C10-C28)	248	25.0	250	ND	99.4	38-132	3.30	20	
urrogate: n-Nonane	50.9		50.0		102	50-200			

Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Number:	Barry Miller State Com #201H 23052-0001	Reported:
Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/8/2023 1:18:32PM

Anions by EPA 300.0/9056A						Analyst: BA			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2345013-BLK1) Prepared: 11/06/23 Analyzed: 11/07/23						nalyzed: 11/07/23			
Chloride	ND	20.0							
LCS (2345013-BS1)							Prepared:	11/06/23 Ar	nalyzed: 11/07/23
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2345013-MS1)				Source:	E311019-	05	Prepared:	11/06/23 Ar	nalyzed: 11/08/23
Chloride	277	200	250	ND	111	80-120			
Matrix Spike Dup (2345013-MSD1)				Source:	E311019-	05	Prepared:	11/06/23 Ar	nalyzed: 11/07/23
Chloride	279	200	250	ND	112	80-120	0.765	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

l	Matador Resources, LLC.	Project Name:	Barry Miller State Com #201H	
l	5400 LBJ Freeway, Suite 1500	Project Number:	23052-0001	Reported:
l	Dallas TX, 75240	Project Manager:	Ashley Giovengo	11/08/23 13:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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Client: I	Matador Pro	duction (Company.		Bill To Lab Use Only TAT E						EPA Pr	rogram									
Project: Barry Miller State Com 201H					Att	Attention: Matador Production Company			b WO#	Job Number					1D	1D 2D 31		3D Standard		CWA	SDWA
Project I	Manager: As	hley Gio	vengo		Add	Address: on file			3110	210	9 23057.000								Х		
Address	: 3122 Natio	nal Parks	Hwy		City	y, State, Zip:								nd Metho	d						RCRA
City, Sta	te, Zip: Carls	bad NM	, 88220		Pho	one: (337)319-8398			by												
Phone:	575-988-005	5			Em	ail: clinton.talley@matadorre	sources.con	n	080							1				State	
Email: a	agiovengo@e	nsolum.	com						30/0	-		1	0.0		Σ×	1			NM CO	UT AZ	TX
Report o	due by:								J/D	802	8260	2010	300				×		×	LINEY	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
12:02	10/31/2023	Soil	1 Jar			FS32 - 1.5'	1								х						
12:03	10/31/2023	Soil	1 Jar			FS33 - 1.5'	2								х						
8:50	10/31/2023	Soil	1 Jar		FS34 - 1'		3								x						
11:57	10/31/2023	Soil	1 Jar			FS35 - 1'	4								х						
8:56	10/31/2023	Soil	1 Jar			FS36 - 1'	5								х						
8:58	10/31/2023	Soil	1 Jar			FS37 - 1'	u								х						
9:04	10/31/2023	Soil	1 Jar			FS38 - 1'	7								х						
9:06	10/31/2023	Soil	1 Jar			FS39 - 1'	8								х						
9:08	10/31/2023	Soil	1 Jar			FS40 - 1'	9								х						
9:13	10/31/2023	Soil	1 Jar			FS41 - 1'	10								х						
			7-1-1		A charles of	agiovengo@ensolum.com, c	/			om,	ehaf	Sample	es requ	iring thermal					on ice the day t	The second second	led or
	-45		raud and ma	y be grounds for l		Sampled by: Ethan Haft & 0	Cole Burton					receive	ed pack	ed in ice at an	avg ter	mp abo	ve 0 but	less tha	an 6 °C on subse	quent days.	
Relinquish	ed by: (Signatur	ellu	1 Date	1/23 U	700	Received by: (Signature) Mchill Link	Date 11-1-0	13	Time /O	40		Rece	eived	d on ice:	1	ab U	se Or V	nly			
Relinquish Cl	ed by: (Signatur		Date	1-23 Time	530	Received by: (Signature)	Date (6.1		Time	30		T1			T2				Т3		
Relinquish	ed by: (Signatur	re)	Date	1.23 Z		Received by: (Signature)	Date /1.7.7	72	Time	15	-	AVG	Ten	np °C	1						
Sample Mat	trix: S - Soil, Sd - S				-4)	7.0	Containe	r Tv	pe: g - g	zlass.			_	c, ag - aml	oer gl	lass. v	/ - VO	A			
			196 115 115	SECURITION AND ADVANCED	unless other	r arrangements are made. Hazardo													ort for the a	nalysis of t	he above
						this COC. The liability of the laborat											20 100		0.2.2.		



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The report for the analysis of the above

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Client: 1	Matador Pro	duction C	Company.			Bill To			1 -1-1	La	ab U	se Or	nly		TAT EPA				EPA P	rogram	
Project: Barry Miller State Com 201H					A	Attention: Matador Production Company		La	Lab WQ#						1D	2D 3D 3			Standard CV		SDWA
Project I	Manager: As	hley Giov	vengo		A	ddress: on file		E	3/10	219		23	3052	2.0001					Х		
Address	: 3122 Natio	nal Parks	Hwy		Ci	ty, State, Zip:						Analy	/sis a	nd Metho	d						RCRA
City, Sta	te, Zip: Carls	sbad NM,	88220		PI	none: (337)319-8398			by												
Phone:	575-988-005	5			Er	mail: clinton.talley@matadorre	esources.con	n	ORO							1				State	
Email: a	giovengo@e	ensolum.c	com						30/0	н			0.0		ΣZ		-		NM CO	UT AZ	TX
Report o	lue by:								IQ/C	802	826	5010	300				¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
11:44	10/31/2023	Soil	1 Jar			FS42 - 1'	11								х						
11:47	10/31/2023	Soil	1 Jar			FS43 - 1'	12								х						
10:04	10/31/2023	Soil	1 Jar			SW05 - 0.5'	13								х						
10:09	10/31/2023	Soil	1 Jar			SW06 - 0.5'	14								х						
10:14	10/31/2023	Soil	1 Jar			SW07 - 0.5'	15								х						
														111							
																T					
														h							
Addition	al Instructio	ns: Plea	ase CC: cl	urton@enso	olum.cor	m, agiovengo@ensolum.com, o	chamilton@e	enso	olum.c	om,	ehat	ft@e	nsol	um.com							
STATE OF THE PARTY OF	Same and the second			ty of this sample.		e that tampering with or intentionally misl . Sampled by: Ethan Ha	abelling the samp	ole lo	cation,			F-1							on ice the day an 6 °C on subs		led or
Relinquish	ed by: (Signatu	re)	Date	Tim	Page Alb Tal. A	Received by: (Signature) Michael Comple	Date 11-01-	23		140	0	Rec	eive	d on ice:	6	ab U	lse Or V	nly			
mid		very &		1:27 1	530	Received by: (Signature)	Date		Time						_			_	<u>T3</u>	100	
,	ed by: (Signatu	re) V	Date //	1.23 Tim	300	Received by: (gregature)	_ 11.2.C	23	Time	1/5	5	AVC	6 Ter	np °C ć	4					**************************************	
	trix: S - Soil, Sd - S	Solid, Sg - Slu	idge, A - Aqu	eous, O - Other _			Containe	er Ty	/pe: g -	glass	, p - 1	ooly/p	olasti	c, ag - ami	ber g						
						ner arrangements are made. Hazardo									lient e	expen	se. Th	e rep	ort for the	analysis of t	the above
samples is	applicable only	to those s	amples rec	eived by the lab	oratory w	ith this COC. The liability of the labora	tory is limited	to th	ne amou	nt pai	id for	on the	e repo	ort.							



enviroteche enviroteche

Printed: 11/2/2023 11:05:22AM

Envirotech Analytical Laboratory

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:	11/02/23 0	8:15		Work Order ID:	E311019
Phone:	(972) 371-5200	Date Logged In:	11/01/23 1	7:14		Logged In By:	Caitlin Mars
Email:	agiovngo@ensolum.com	Due Date:	11/08/23 1	7:00 (4 day TAT)			
1. Does th 2. Does th 3. Were sa	Custody (COC) e sample ID match the COC? e number of samples per sampling site location ma imples dropped off by client or carrier? COC complete, i.e., signatures, dates/times, reque		Yes Yes Yes Yes	Carrier: <u>C</u>	<u>Courier</u>		
		sied alialyses:					
	I samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi urn Around Time (TAT)		Yes	Г		Comment	s/Resolution
	COC indicate standard TAT, or Expedited TAT?		Yes				
	•		103				
	ample cooler received?		Yes				
8. If yes, v	vas 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				
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling	re received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u> </u>				
Sample C							
	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?	_	NA				
	on-VOC samples collected in the correct containers		Yes				
	ppropriate volume/weight or number of sample contai	ners collected?	Yes				
	<u>el</u> ield sample labels filled out with the minimum info imple ID?	ormation:	Yes				
	ate/Time Collected?		Yes	L			
Co	ollectors name?		No				
Sample P	<u>reservation</u>						
	he COC or field labels indicate the samples were p	reserved?	No				
	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontra	act Laboratory						
	mples required to get sent to a subcontract laborate	orv?	No				
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab	: NA		
	struction .						
Chent III	<u>struction</u>						

Date



APPENDIX G

Regulatory Correspondence

From: Hamlet, Robert, EMNRD

To: Ashley Giovengo

Cc: clinton.talley@matadorresources.com; Cole Burton; Chad Hamilton; Wells, Shelly, EMNRD; Bratcher, Michael,

EMNRD

Subject: RE: [EXTERNAL] Matador Production - Sampling Variance - Barry Miller State Com 201H - Incident Numbers

(nAPP2319455228 & nAPP2319663541)

Date: Thursday, August 31, 2023 11:49:16 AM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png

You don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

Ashley,

The variance is approved for collecting 5-point composite area floor samples to represent each 400 ft2 area. Sidewall confirmation samples will still need to be collected every 200 ft2 to define the edge of the release area. Please include this e-mail correspondence in the remediation and/or closure report.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, August 31, 2023 10:37 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov> **Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Matador Production - Sampling Variance - Barry Miller State Com 201H -

Incident Numbers (nAPP2319455228 & nAPP2319663541)

From: Ashley Giovengo agiovengo@ensolum.com>

Sent: Thursday, August 31, 2023 10:31 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>; Spills@slo.state.nm.us

Cc: clinton.talley@matadorresources.com; Cole Burton cburton@ensolum.com; Chad Hamilton chamilton@ensolum.com; Chad Hamilton

Subject: [EXTERNAL] Matador Production - Sampling Variance - Barry Miller State Com 201H - Incident Numbers (nAPP2319455228 & nAPP2319663541)

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

Hello,

Matador Production (Matador) is requesting a sampling variance at the Barry Miller State Com 201H site (Incident Numbers nAPP2319455228 & nAPP2319663541). On July 12, 2023, a 12" coupling on a water transfer pipeline header failed, resulting in the release of 110 barrels (bbls) of produced water off-pad. On July 18, 2023, a second release occurred due to a line burst and 20.85 bbls of produced water was released onto an additional area off-pad. The impacted areas measure approximately 12, 292 square feet (sq. ft.) and 4,682 sq. ft. respectively. A desktop review for potential site receptors and delineation sampling to the strictest closure criteria have been completed for both releases. According to the desktop review, the closest permitted groundwater well with depth to ground water data is New Mexico Office of the State Engineer (NMOSE) well, C 04702 POD2 with a depth to groundwater measurement of 46 ft. bgs. The well is located 1.43 miles southwest of the site and 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 (medium potential karst designation area).

Laboratory analytical results from delineation soil samples indicated that chloride concentrations were in compliance with the reclamation requirement (19.15.29.13 NMAC) at 1-foot below ground surface (bgs). Matador intends to excavate both spill areas in accordance with the reclamation requirement and conduct final confirmation sampling at the conclusion of both excavations. Due to the size (16, 974 sq. ft) and shallow nature of both release extents, Matador would like to request a sampling variance of every 400 sq. ft on confirmation floor samples and every 400 feet on confirmation sidewall samples. Matador believes this *variance request* will provide equal or better protection of public health, the environment, and groundwater and respectfully requests approval for both incident numbers (nAPP2319455228 & nAPP2319663541).

Thanks,



From: Hamlet, Robert, EMNRD

To: Ashley Giovengo

Cc: Cole Burton; Chad Hamilton; Ethan Haft; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD; Wells, Shelly,

EMNRD

Subject: Extension Approval - Matador Production - Barry Miller State Com 201H - Incident Numbers (nAPP2319455228 &

nAPP2319663541)

Date: Thursday, October 5, 2023 1:29:42 PM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png

You don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2319455228 & NAPP2319663541

Ashley,

Your request for an extension to **December 4th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, October 5, 2023 9:29 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov> **Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Matador Production - Extension Request - Barry Miller State Com 201H -

Incident Numbers (nAPP2319455228 & nAPP2319663541)

From: Ashley Giovengo agiovengo@ensolum.com>

Sent: Thursday, October 5, 2023 8:17 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov >; Eco@slo.state.nm.us

Cc: clinton.talley@matadorresources.com; Cole Burton <cburton@ensolum.com>; Chad Hamilton

<<u>chamilton@ensolum.com</u>>; Ethan Haft <<u>ehaft@ensolum.com</u>>

Subject: [EXTERNAL] Matador Production - Extension Request - Barry Miller State Com 201H - Incident Numbers (nAPP2319455228 & nAPP2319663541)

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

All,

Matador is requesting an extension of the current deadline of October 05, 2023, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC for the Barry Miller State Com 201H (Incident Number nAPP2319455228) and an extension of the current deadline of October 16, 2023, for the second Barry Miller State Com 201H release (Incident Number nAPP2319663541). The first release at the Barry Miller State Com 201H occurred on July 12, 2023, and as a result, 110 barrels (bbls) of produced water were released into a pasture area off-pad. The second release occurred on July 18, 2023, and as a result, 20.85 bbls of produced water were released onto an adjacent area off-pad. Since both releases occurred in area's off-pad and on State Trust Land, an ARMS review for the Site was completed by Beaver Creek Archaeology. During the ARMS review, it was determined that the first release impacted an area that had not been surveyed for cultural properties and in order to comply with the *Cultural Properties Protection Rule* (19.2.24 NMAC), a survey would need to be completed prior to excavation and remediation of the subject area release. The archaeological survey was completed, the cultural resource findings were negative for the release area. An initial site assessment and delineation sampling has been completed for both releases and the excavation is currently scheduled with third-party contractors. Due to the time spent completing the archaeological survey and the timeline that is needed to complete the excavation of both releases, conduct confirmation sampling, review laboratory analytical data, and to submit a remediation work plan or closure report, Matador hereby requests a 60-day extension of the aforementioned deadlines to December 04, 2023.

Thanks.



From: Rodgers, Scott, EMNRD

To: Ashley Giovengo; spills@slo.state.nm.us; clinton.talley@matadorresources.com; Hamlet, Robert, EMNRD;

Bratcher, Michael, EMNRD

Cc: <u>Cole Burton</u>; <u>Ethan Haft</u>; <u>Chad Hamilton</u>

Subject: RE: [EXTERNAL] 48-hour Confirmation Sampling Notification - Matador Production Company - Barry Miller State

Com #201H - Incident Numbers (nAPP2319455228 & nAPP2319663541)

Date: Friday, October 20, 2023 10:16:33 AM

Attachments: image006.png

image007.png image008.png image009.png

[**EXTERNAL EMAIL**]

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Scott Rodgers • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113

505.469.1830 | scott.rodgers@emnrd.nm.gov

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



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Friday, October 20, 2023 10:14 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us;

clinton. talley @matadorresources. com

Cc: Cole Burton <cburton@ensolum.com>; Ethan Haft <ehaft@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>

Subject: [EXTERNAL] 48-hour Confirmation Sampling Notification - Matador Production Company - Barry Miller State Com #201H - Incident Numbers (nAPP2319455228 & nAPP2319663541)

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

Hello,

We intend to collect confirmation samples at Matador Production Company's, Barry Miller State Com #201H site (Incident Numbers *nAPP2319455228 & nAPP2319663541*) beginning on Thursday, October 26, 2023, at 09:00 am MST through Friday, November 03, 2023.

Please let us know if you plan to be onsite to oversee the sampling.

Thanks,



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 286960

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	286960
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. The site will need to be reseeded in the first favorable growing season following closure of the site pursuant to 19.15.29.13 NMAC.	3/15/2024
bhall	A revegetation report will need to be submitted as soon as the revegetation is complete and meet the requirements of 19.15.29.13 NMAC.	3/15/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	3/15/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/15/2024