ENSOLUM

August 21, 2024

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 Report Addendum
Black River Gas (Plant 3)
Incident Number nAPP2414653793
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of San Mateo DLK Black River Midstream, LLC (San Mateo), has prepared this *Closure Request Report Addendum (CRRA)* to document assessment, excavation, and soil sampling activities at the Black River Gas (Plant 3) (Site). The Site is located in Unit E, Section 31, Township 23 South, Range 28 East, in Eddy County, New Mexico (32.26036°, -104.13174°) and is associated with oil and gas exploration and production operations on Private Land.

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of Triethylene Glycol (TEG) (CAS Number 112-27-6). On May 5, 2024, approximately 19 barrels (bbls) of TEG were released onto the caliche pad; 3 bbls were recovered. San Mateo reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on May 25, 2024. The release was subsequently assigned Incident Number nAPP2414653793.

On August 12, 2024, Ensolum submitted A Closure Report (CR) to the New Mexico Oil Conservation Division (NMOCD); however, the (CR) was denied for the following reason:

> *Remediation closure denied. Because this was a glycol release, refer to 19.15.29.11(A)5(e) NMAC for remediation. Resubmit report to the OCD by 11/11/2024.*

This *CRRA* addresses NMOCD's concerns regarding the release of an oilfield related chemical that is not included in Table I of 19.15.29.12 NMAC, and does not include oil, gas, produced water or other fluids from the well stream. Per 19.15.29 11(A)5(e)(i) NMAC, *if the constituent appears on Table I of 40 C.F.R. 261.24(b), then the constituent shall be remediated according to 40 C.F.R 261.24. Per 19.15.29 11(A)5(e)(ii) NMAC, if the constituent is not identified in Table 1 of 40 C.F.R 261.24(b) but is identified in the New Mexico environment departments Risk Assessment Guidance for Site Investigations and Remediation Volumes I and II (assessment), the division will determine the appropriate Assessment Volume and remediation shall occur pursuant to the assessment. In such an event that the chemical is not identified in either 40 C.F.R 261.24 or the New Mexico environment departments Risk Assessment Guidance for Site Investigations and Remediation Volumes I and II (assessment), the division shall consult with the responsible party to determine the appropriate remediation of the release (19.15.29 11(A)5(e)(iii) NMAC.*

Beginning on August 13, 2024, Ensolum personnel corresponded with a representative of the NMOCD with regards to remediating a release of TEG since it is not a constituent that appears on Table I of 40 C.F.R. 261.24(b) or a constituent in the New Mexico environment departments Risk Assessment Guidance for Site Investigations and Remediation Volumes I and II (assessment). According to the United Staes Environmental Protection Agency (EPA), TEG can be analyzed following EPA Method 8015B. Method 8015B is used to determine the concertation of multiple nonhalogenated volatile and semi-volatile organic compounds.

Ensolum personnel submitted 14 composite confirmation floor samples on July 8, 2024, and July 12, 2024, as part of the original *CR*; however, Ensolum was unable to analyze the samples for TEG due to the samples exceeding the 14-day hold time. On July 9, 2024, San Mateo poured a concrete containment surrounding the Glycol Reboiler to prevent future releases from impacting the ground surface; The concrete containment covered four of the confirmation sampling areas. As a result, NMOCD agreed that Ensolum should update the original *CR* to include this testing method for future reference.

Based on field observations, field screening activities, and soil sampling laboratory analytical results completed to date, San Mateo is submitting this *Closure Request Addendum*, and requesting no further action for Incident Number nAPP2414653793.

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). Results from the characterization desktop review are presented on the initial C-141 application subsection, Site Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is a New Mexico Office of the State Engineer (NMOSE) well, C 04085 POD2, which is located 1,561 feet northeast of the Site. The well had a reported depth to groundwater greater than 100 feet below ground surface (bgs) and a total depth of 240 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, known karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 626 north 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 underlain by unstable geology (high 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

On May 28, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On June 10, 2024, Ensolum personnel were onsite to conduct lateral and vertical delineation sampling. Four lateral delineation soil samples (SS01 through SS04) were collected from around the release extent at ground surface and two boreholes (BH01 and BH02) were advanced via hand auger within the release extent to assess the vertical extent of the release area. Boreholes (BH01 and BH02) were advanced to depths of 0.25 feet and 0.5 feet bgs, respectively. Discrete delineation soil samples were collected from each borehole at ground surface and 0.25 feet bgs in borehole BH01 and ground surface and 0.5 feet bgs in borehole BH02. Soil from the discrete delineation soil samples was field screened for TPH using a PetroFLAG® Soil Analyzer Kit and for chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental 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; chloride following EPA Method 300.0; volatile organic compounds (VOC's) following EPA Method 8260B; and pH following EPA Method 9045D.

Beginning on July 8, 2024, waste-containing soil was excavated from the spill area as indicated by visible staining, field screening activities, and laboratory analytical results from delineation soil samples. Excavation activities were performed using a skid steer and hand tools. To direct excavation activities, Ensolum personnel field screened soil samples in the same manner as previously described.

Following the removal of waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor of the excavation. 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 (FS01 through FS14) were collected from the floor of the excavation at depths ranging from ground surface to 1.5 feet bgs. Due to the shallow nature of the excavation, sidewall soil was incorporated into the floor confirmation samples. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 2,620 square feet. A total of approximately 80 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the R360 Facility in Hobbs New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS04), collected at ground surface, indicated all COC concentrations were compliant with Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results for the vertical delineation soil samples collected from boreholes BH01 and BH02 indicated all COC concentrations were in compliance with the Site Closure Criteria and with the strictest Closure Criteria at 0.25 feet and 0.5 feet bgs, respectively. The pH was slightly elevated in discrete soil samples collected from borehole BH01 at ground surface and 0.25 feet bgs and within range in discrete soil samples collected from borehole BH02 at ground surface and 0.5 feet bgs.

Laboratory analytical results for excavation floor soil samples (FS01 through FS14) indicated all COC concentrations were in compliance with the strictest Closure Criteria at depth ranging from ground surface to 1.5 feet bgs. Laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

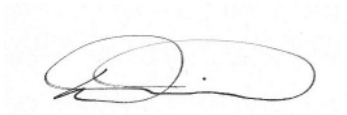
The release extent has been laterally defined by delineation soil samples SS01 through SS04, collected at ground surface, and vertically defined by boreholes BH01 and BH02, collected at depths of 0.25 feet and 0.5 feet bgs, respectively. Excavation of waste-containing soil has been completed, and excavation floor samples (FS01 through FS14), collected at depths ranging from ground surface to 1.5 feet bgs, were all in compliance with the strictest Closure Criteria.

Based on the remedial actions completed to date and a depth to groundwater greater than 100 feet bgs, San Mateo believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2414653793.

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 Scientist



Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Excavation Soil Samples)
Appendix A	Well Log and Record
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix D	NMOCD Correspondence

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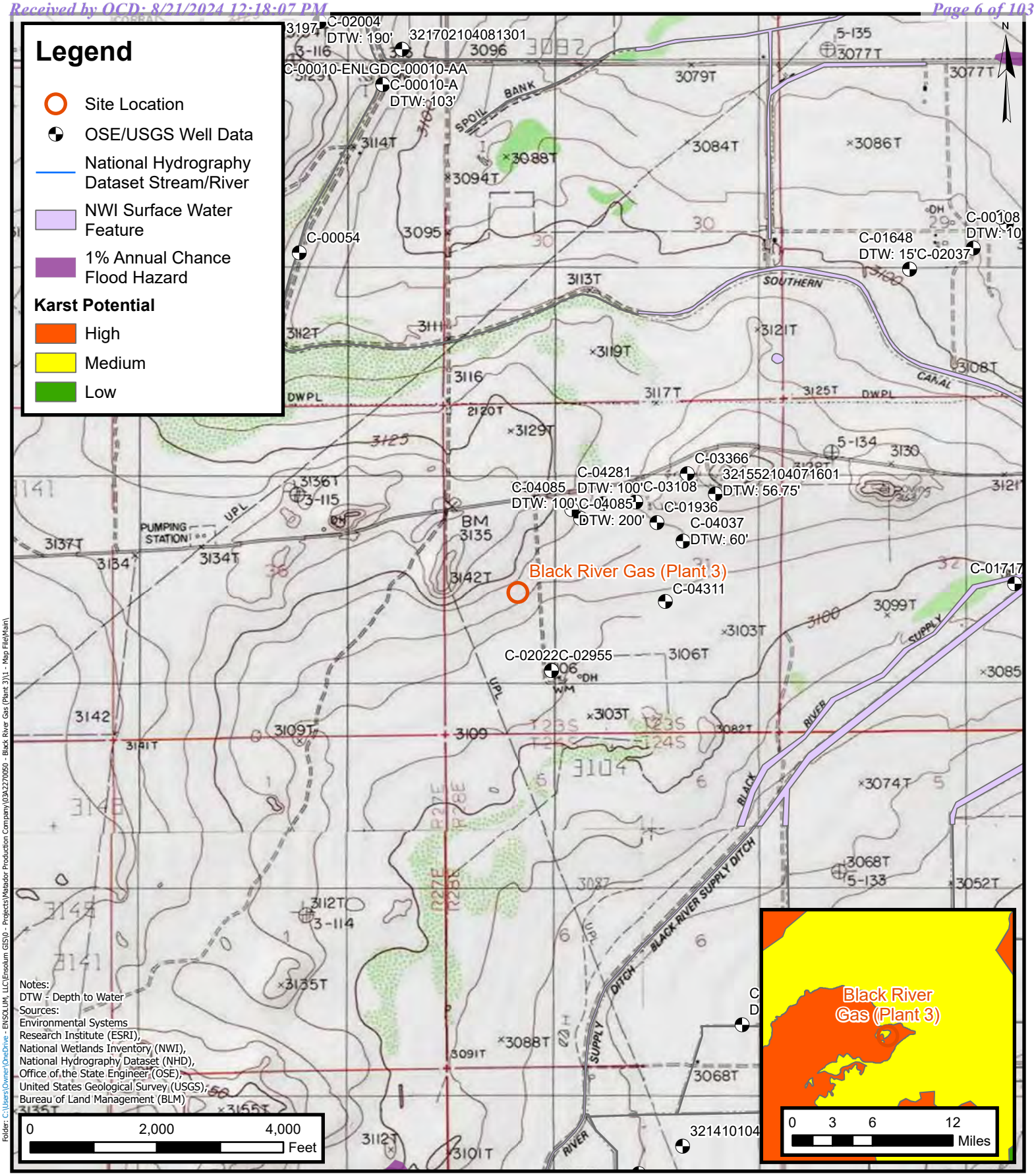
FIGURES



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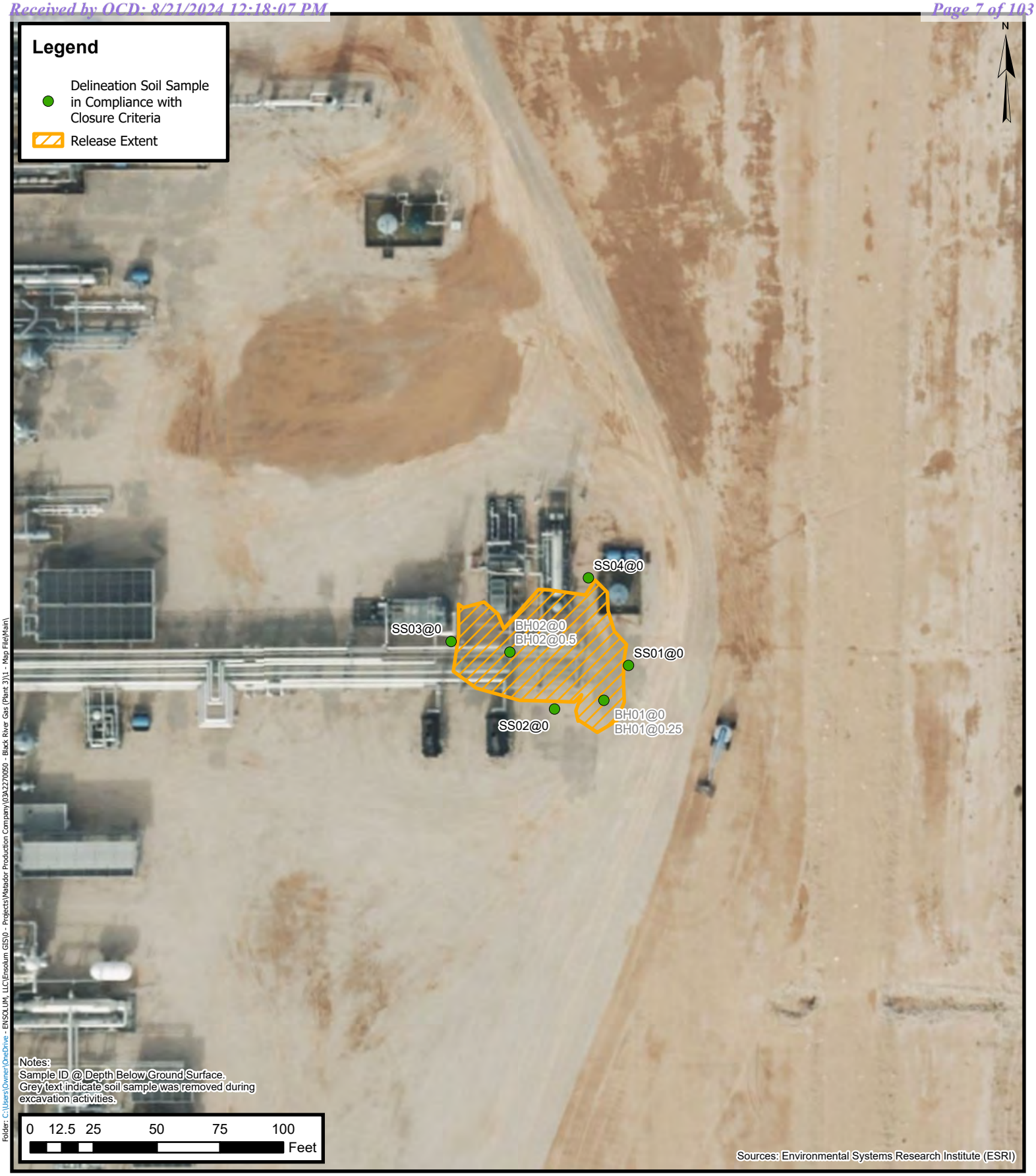
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Sn teo c ie i te ,
Black River Gas (Plant 3)
Incident Number: nAPP2414653793
Unit I, Section 31, T 23S, R 28E
Eddy County, New Mexico

FIGURE 1



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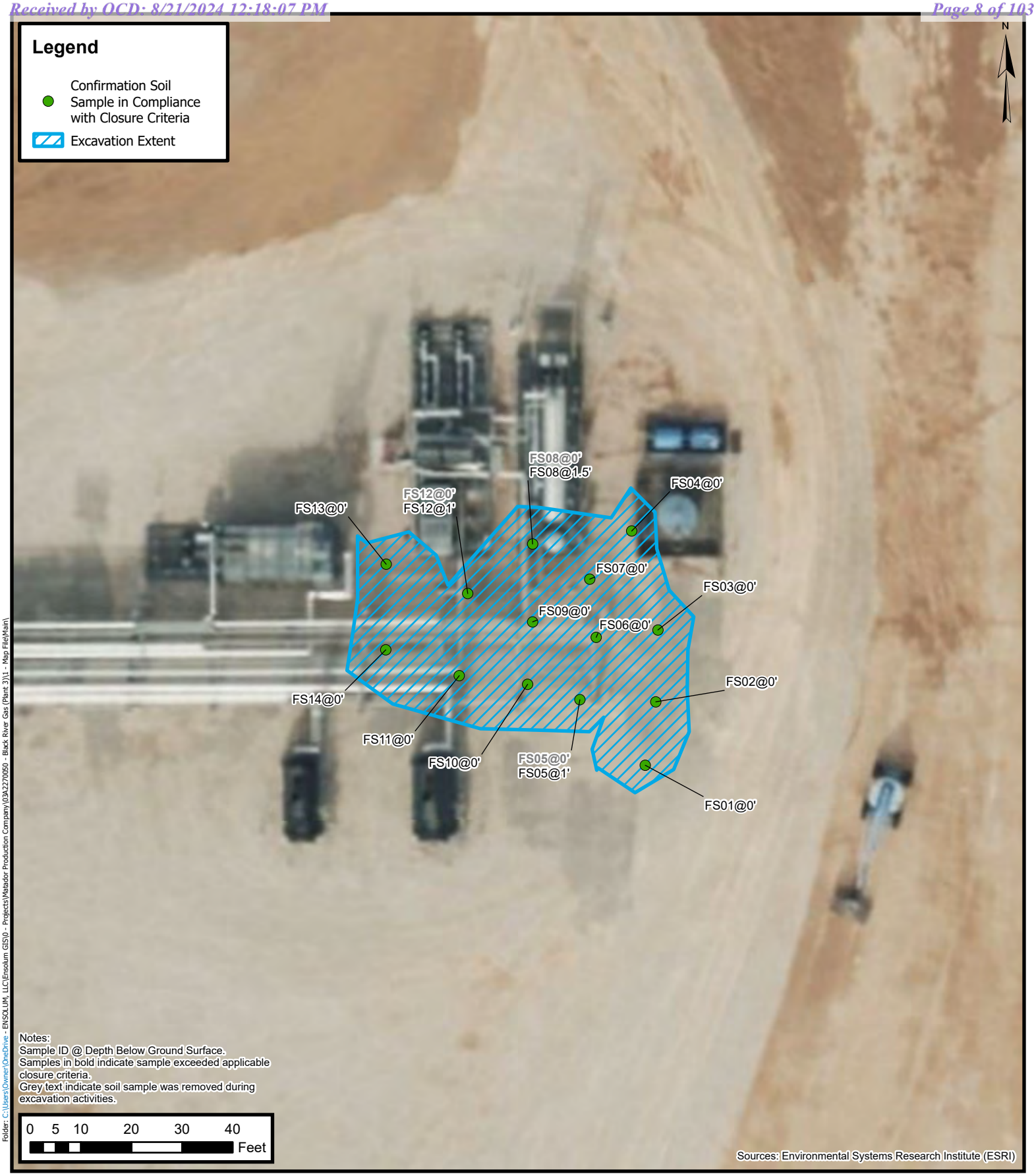
Delineation Soil Sample Locations

Matador Production Company
Black River Gas (Plant 3)
Incident Number: nAPP2414653793
Section E, Unit 31, T 23S, R 28
Eddy County, New Mexico

FIGURE 2



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Confirmation Soil Sample Locations

Matador Production Company
Black River Gas (Plant 3)
Incident Number: nAPP2414653793
Section E, Unit 31, T 23S, R 28
Eddy County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Black River Gas (Plant 3)
San Mateo DLK Black River Midstream, LLC
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)	pH (pH Units)	Volatile Organic Compounds (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**	**NE**	**NE**
Delineation Soil Samples												
SS01	6/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200	7.91	<0.0250
SS02	6/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200	7.82	<0.0250
SS03	6/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0	7.80	<0.0250
SS04	6/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200	7.87	<0.0250
BH01	6/12/2024	0	<0.0250	<0.0500	<20.0	76.9	<50.0	76.9	76.9	<200	8.48	<0.0250
BH01	6/12/2024	0.25	<0.0250	<0.0500	<20.0	81.9	<50.0	81.9	81.9	<200	8.34	<0.0250
BH02	6/12/2024	0	<0.0250	<0.0500	<20.0	28.9	<50.0	28.9	28.9	<200	7.95	<0.0250
BH02	6/12/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100	7.91	<0.0250

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

*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.*

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TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
Black River Gas (Plant 3)
San Mateo DLK Black River Midstream, LLC
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**
Excavation Floor Soil Samples										
FS01	7/8/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS02	7/8/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
FS03	7/8/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	434
FS04	7/8/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
FS05	7/8/2024	0	<0.0250	<0.0500	<20.0	139	<50.0	139	**139**	<100
FS05	7/12/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
FS06	7/8/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS07	7/8/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS08	7/8/2024	0	1.39	14.582	35.4	290	<50.0	325.4	**325.4**	<200
FS08	7/12/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS09	7/8/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
FS10	7/8/2024	0	<0.0250	<0.0500	<20.0	41.8	<50.0	41.8	41.8	<200
FS11	7/8/2024	0	<0.0250	<0.0500	<20.0	33.7	<50.0	33.7	33.7	<200
FS12	7/8/2024	0	<0.0250	<0.0500	88.6	44.2	<50.0	133	**133**	<200
FS12	7/12/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
FS13	7/8/2024	0	<0.0250	<0.0500	26	<25.0	<50.0	26.1	26.1	<200
FS14	7/8/2024	0	<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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

*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.*

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APPENDIX A

Referenced Well Records

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04085 POD2	2	4	1	31	23S	28E	582083	3569982

Driller License: 1778 **Driller Company:** THIRD GENERATION DRILLING
Driller Name: TRAVIS MANN

Drill Start Date: 10/07/2018 **Drill Finish Date:** 10/10/2018 **Plug Date:**
Log File Date: 11/05/2018 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 15 GPM
Casing Size: 5.00 **Depth Well:** 240 feet **Depth Water:** 100 feet

Water Bearing Stratifications:	Top	Bottom	Description
	160	180	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	140	240

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

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APPENDIX B

Photographic Log

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Photographic Log
San Mateo DLK Black River Midstream, LLC
Black River Gas (Plant 3)
nAPP2414653793

Photograph 1 Date: 5/28/2024
Description: Spill Area
View: South

Photograph 2 Date: 5/28/2024
Description: Spill Area
View: North

Photograph 3 Date: 5/28/2024
Description: Spill Area
View: Northwest

Photograph 4 Date: 5/28/2024
Description: Spill Area
View: East

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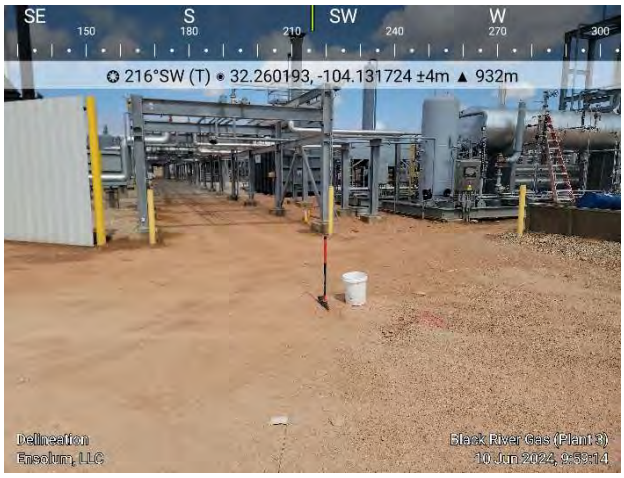
Photographic Log
San Mateo DLK Black River Midstream, LLC
Black River Gas (Plant 3)
nAPP2414653793



Photograph 5 Date: 6/10/2024
Description: Delineation
View: Southwest

Photograph 6 Date: 6/10/2024
Description: Delineation
View: Northwest

Photograph 7 Date: 7/8/2024
Description: Excavation
View: Northwest

Photograph 8 Date: 7/8/2024
Description: Excavation
View: Southeast

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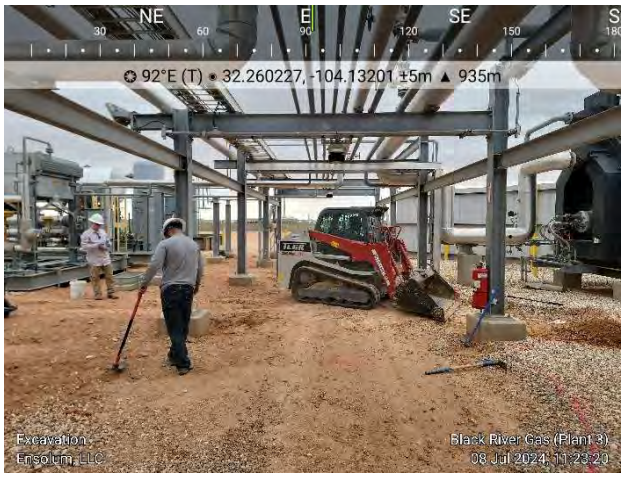
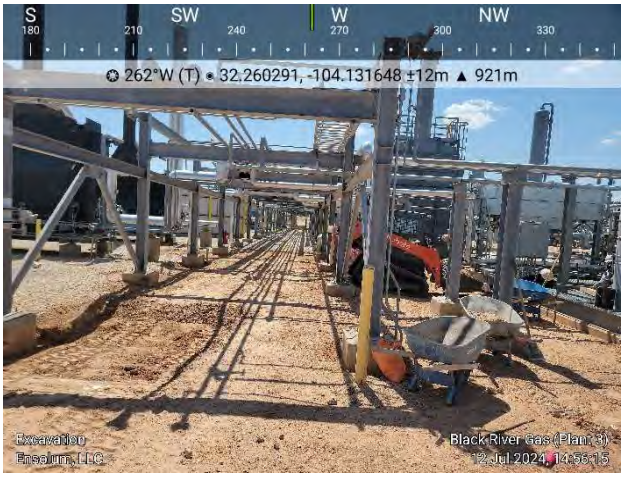
Photographic Log
San Mateo DLK Black River Midstream, LLC
Black River Gas (Plant 3)
nAPP2414653793



Photograph 9 Date: 7/8/2024
Description: Excavation
View: East



Photograph 10 Date: 7/12/204
Description: Excavation
View: West

Photograph 11 Date: 7/12/204
Description: Excavation
View: Northwest

Photograph 12 Date: 7/12/204
Description: Excavation
View: West

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APPENDIX

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

San Mateo Stebbins Water Management, LLC

Project Name:	Black River Gas (Plant 3)
Work Order:	E406109
Job Number:	23003-0002
Received:	6/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/18/24

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

Date Reported: 6/18/24

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

Project Name: Black River Gas (Plant 3)
Workorder: E406109
Date Received: 6/12/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/12/2024 9:00:00AM, under the Project Name: Black River Gas (Plant 3).

The analytical test results summarized in this report with the Project Name: Black River Gas (Plant 3) 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

Field Offices:

Southern New Mexico Area

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Laboratory Technical Representative
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Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
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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’ 8
- SS03-0’ 11
- SS04-0’ 14
- BH01-0’ 17
- BH01-0.25’ 20
- BH02-0’ 23
- BH02-0.5’ 26

QC Summary Data 29

- QC - Volatile Organic Compounds by EPA 8260B 29
- QC - Wet Chemistry by EPA 9045D 32
- QC - Nonhalogenated Organics by EPA 8015D - GRO 33
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 34
- QC - Anions by EPA 300.0/9056A 35

Definitions and Notes 36

Chain of Custody etc. 37

Sample Summary

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/18/24 15:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E406109-01A	Soil	06/10/24	06/12/24	Glass Jar, 2 oz.
SS02-0'	E406109-02A	Soil	06/10/24	06/12/24	Glass Jar, 2 oz.
SS03-0'	E406109-03A	Soil	06/10/24	06/12/24	Glass Jar, 2 oz.
SS04-0'	E406109-04A	Soil	06/10/24	06/12/24	Glass Jar, 2 oz.
BH01-0'	E406109-05A	Soil	06/10/24	06/12/24	Glass Jar, 2 oz.
BH01-0.25'	E406109-06A	Soil	06/10/24	06/12/24	Glass Jar, 2 oz.
BH02-0'	E406109-07A	Soil	06/10/24	06/12/24	Glass Jar, 2 oz.
BH02-0.5'	E406109-08A	Soil	06/10/24	06/12/24	Glass Jar, 2 oz.

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS01-0'

E406109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Acetone	ND	2.50	1	06/12/24	06/17/24	
Benzene	ND	0.0250	1	06/12/24	06/17/24	
Bromobenzene	ND	0.0250	1	06/12/24	06/17/24	
Bromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromodichloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromoform	ND	0.0250	1	06/12/24	06/17/24	
Bromomethane	ND	0.100	1	06/12/24	06/17/24	
n-Butyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
sec-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
tert-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Carbon Tetrachloride	ND	0.0250	1	06/12/24	06/17/24	
Chlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
Chloroethane	ND	0.100	1	06/12/24	06/17/24	
Chloroform	ND	0.250	1	06/12/24	06/17/24	
Chloromethane	ND	0.100	1	06/12/24	06/17/24	
2-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
4-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
Dibromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.100	1	06/12/24	06/17/24	
1,2-Dibromoethane (EDB)	ND	0.0500	1	06/12/24	06/17/24	
Dibromomethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,4-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
2,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
Diisopropyl Ether (DIPE)	ND	0.0250	1	06/12/24	06/17/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Ethyl tert-Butyl Ether (ETBE)	ND	0.0250	1	06/12/24	06/17/24	
Hexachlorobutadiene	ND	0.100	1	06/12/24	06/17/24	
2-Hexanone	ND	0.500	1	06/12/24	06/17/24	
Isopropylbenzene	ND	0.0250	1	06/12/24	06/17/24	
4-Isopropyltoluene	ND	0.0250	1	06/12/24	06/17/24	
2-Butanone (MEK)	ND	1.00	1	06/12/24	06/17/24	
Methylene Chloride	ND	0.100	1	06/12/24	06/17/24	
1-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS01-0'

E406109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
2-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
4-Methyl-2-pentanone (MIBK)	ND	0.500	1	06/12/24	06/17/24	
Methyl tert-Butyl Ether (MTBE)	ND	0.0250	1	06/12/24	06/17/24	
Naphthalene	ND	0.100	1	06/12/24	06/17/24	
n-Propyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
Styrene	ND	0.0250	1	06/12/24	06/17/24	
tert-Amyl Methyl ether (TAME)	ND	0.0250	1	06/12/24	06/17/24	
1,1,1,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
Tetrachloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2,3-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,2,4-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,1,1-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
Trichloroethene	ND	0.0250	1	06/12/24	06/17/24	
Trichlorofluoromethane (Freon-11)	ND	0.100	1	06/12/24	06/17/24	
1,2,3-Trichloropropane	ND	0.0500	1	06/12/24	06/17/24	
1,2,4-Trimethylbenzene	ND	0.100	1	06/12/24	06/17/24	
1,3,5-Trimethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Toluene	ND	0.0250	1	06/12/24	06/17/24	
Vinyl chloride	ND	0.100	1	06/12/24	06/17/24	
o-Xylene	ND	0.0250	1	06/12/24	06/17/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/17/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/12/24*	*06/17/24*	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS01-0'

E406109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF			Batch: 2424100
pH @25°C	**7.91**		1	06/14/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*106 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*103 %*	*70-130*		*06/12/24*	*06/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424066
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	
Surrogate: n-Nonane	*103 %*	*50-200*		*06/12/24*	*06/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424089
Chloride	ND	200	10	06/13/24	06/14/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS02-0'

E406109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Acetone	ND	2.50	1	06/12/24	06/17/24	
Benzene	ND	0.0250	1	06/12/24	06/17/24	
Bromobenzene	ND	0.0250	1	06/12/24	06/17/24	
Bromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromodichloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromoform	ND	0.0250	1	06/12/24	06/17/24	
Bromomethane	ND	0.100	1	06/12/24	06/17/24	
n-Butyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
sec-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
tert-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Carbon Tetrachloride	ND	0.0250	1	06/12/24	06/17/24	
Chlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
Chloroethane	ND	0.100	1	06/12/24	06/17/24	
Chloroform	ND	0.250	1	06/12/24	06/17/24	
Chloromethane	ND	0.100	1	06/12/24	06/17/24	
2-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
4-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
Dibromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.100	1	06/12/24	06/17/24	
1,2-Dibromoethane (EDB)	ND	0.0500	1	06/12/24	06/17/24	
Dibromomethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,4-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
2,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
Diisopropyl Ether (DIPE)	ND	0.0250	1	06/12/24	06/17/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Ethyl tert-Butyl Ether (ETBE)	ND	0.0250	1	06/12/24	06/17/24	
Hexachlorobutadiene	ND	0.100	1	06/12/24	06/17/24	
2-Hexanone	ND	0.500	1	06/12/24	06/17/24	
Isopropylbenzene	ND	0.0250	1	06/12/24	06/17/24	
4-Isopropyltoluene	ND	0.0250	1	06/12/24	06/17/24	
2-Butanone (MEK)	ND	1.00	1	06/12/24	06/17/24	
Methylene Chloride	ND	0.100	1	06/12/24	06/17/24	
1-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
2-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
4-Methyl-2-pentanone (MIBK)	ND	0.500	1	06/12/24	06/17/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS02-0'

E406109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Methyl tert-Butyl Ether (MTBE)	ND	0.0250	1	06/12/24	06/17/24	
Naphthalene	ND	0.100	1	06/12/24	06/17/24	
n-Propyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
Styrene	ND	0.0250	1	06/12/24	06/17/24	
tert-Amyl Methyl ether (TAME)	ND	0.0250	1	06/12/24	06/17/24	
1,1,1,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
Tetrachloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2,3-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,2,4-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,1,1-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
Trichloroethene	ND	0.0250	1	06/12/24	06/17/24	
Trichlorofluoromethane (Freon-11)	ND	0.100	1	06/12/24	06/17/24	
1,2,3-Trichloropropane	ND	0.0500	1	06/12/24	06/17/24	
1,2,4-Trimethylbenzene	ND	0.100	1	06/12/24	06/17/24	
1,3,5-Trimethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Toluene	ND	0.0250	1	06/12/24	06/17/24	
Vinyl chloride	ND	0.100	1	06/12/24	06/17/24	
o-Xylene	ND	0.0250	1	06/12/24	06/17/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/17/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*102 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*96.8 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*103 %*	*70-130*		*06/12/24*	*06/17/24*	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS02-0'

E406109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF			Batch: 2424100
pH @25°C	**7.82**		1	06/14/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*102 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*96.8 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*103 %*	*70-130*		*06/12/24*	*06/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424066
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	
Surrogate: n-Nonane	*100 %*	*50-200*		*06/12/24*	*06/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424089
Chloride	ND	200	10	06/13/24	06/14/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS03-0'

E406109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Acetone	ND	2.50	1	06/12/24	06/17/24	
Benzene	ND	0.0250	1	06/12/24	06/17/24	
Bromobenzene	ND	0.0250	1	06/12/24	06/17/24	
Bromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromodichloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromoform	ND	0.0250	1	06/12/24	06/17/24	
Bromomethane	ND	0.100	1	06/12/24	06/17/24	
n-Butyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
sec-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
tert-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Carbon Tetrachloride	ND	0.0250	1	06/12/24	06/17/24	
Chlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
Chloroethane	ND	0.100	1	06/12/24	06/17/24	
Chloroform	ND	0.250	1	06/12/24	06/17/24	
Chloromethane	ND	0.100	1	06/12/24	06/17/24	
2-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
4-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
Dibromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.100	1	06/12/24	06/17/24	
1,2-Dibromoethane (EDB)	ND	0.0500	1	06/12/24	06/17/24	
Dibromomethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,4-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
2,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
Diisopropyl Ether (DIPE)	ND	0.0250	1	06/12/24	06/17/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Ethyl tert-Butyl Ether (ETBE)	ND	0.0250	1	06/12/24	06/17/24	
Hexachlorobutadiene	ND	0.100	1	06/12/24	06/17/24	
2-Hexanone	ND	0.500	1	06/12/24	06/17/24	
Isopropylbenzene	ND	0.0250	1	06/12/24	06/17/24	
4-Isopropyltoluene	ND	0.0250	1	06/12/24	06/17/24	
2-Butanone (MEK)	ND	1.00	1	06/12/24	06/17/24	
Methylene Chloride	ND	0.100	1	06/12/24	06/17/24	
1-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
2-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
4-Methyl-2-pentanone (MIBK)	ND	0.500	1	06/12/24	06/17/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS03-0'

E406109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Methyl tert-Butyl Ether (MTBE)	ND	0.0250	1	06/12/24	06/17/24	
Naphthalene	ND	0.100	1	06/12/24	06/17/24	
n-Propyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
Styrene	ND	0.0250	1	06/12/24	06/17/24	
tert-Amyl Methyl ether (TAME)	ND	0.0250	1	06/12/24	06/17/24	
1,1,1,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
Tetrachloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2,3-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,2,4-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,1,1-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
Trichloroethene	ND	0.0250	1	06/12/24	06/17/24	
Trichlorofluoromethane (Freon-11)	ND	0.100	1	06/12/24	06/17/24	
1,2,3-Trichloropropane	ND	0.0500	1	06/12/24	06/17/24	
1,2,4-Trimethylbenzene	ND	0.100	1	06/12/24	06/17/24	
1,3,5-Trimethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Toluene	ND	0.0250	1	06/12/24	06/17/24	
Vinyl chloride	ND	0.100	1	06/12/24	06/17/24	
o-Xylene	ND	0.0250	1	06/12/24	06/17/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/17/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/12/24*	*06/17/24*	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS03-0'

E406109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF			Batch: 2424100
pH @25°C	**7.80**		1	06/14/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*105 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*100 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*103 %*	*70-130*		*06/12/24*	*06/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424066
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	
Surrogate: n-Nonane	*89.3 %*	*50-200*		*06/12/24*	*06/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424089
Chloride	ND	40.0	2	06/13/24	06/14/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS04-0'

E406109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Acetone	ND	2.50	1	06/12/24	06/17/24	
Benzene	ND	0.0250	1	06/12/24	06/17/24	
Bromobenzene	ND	0.0250	1	06/12/24	06/17/24	
Bromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromodichloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromoform	ND	0.0250	1	06/12/24	06/17/24	
Bromomethane	ND	0.100	1	06/12/24	06/17/24	
n-Butyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
sec-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
tert-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Carbon Tetrachloride	ND	0.0250	1	06/12/24	06/17/24	
Chlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
Chloroethane	ND	0.100	1	06/12/24	06/17/24	
Chloroform	ND	0.250	1	06/12/24	06/17/24	
Chloromethane	ND	0.100	1	06/12/24	06/17/24	
2-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
4-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
Dibromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.100	1	06/12/24	06/17/24	
1,2-Dibromoethane (EDB)	ND	0.0500	1	06/12/24	06/17/24	
Dibromomethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,4-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
2,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
Diisopropyl Ether (DIPE)	ND	0.0250	1	06/12/24	06/17/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Ethyl tert-Butyl Ether (ETBE)	ND	0.0250	1	06/12/24	06/17/24	
Hexachlorobutadiene	ND	0.100	1	06/12/24	06/17/24	
2-Hexanone	ND	0.500	1	06/12/24	06/17/24	
Isopropylbenzene	ND	0.0250	1	06/12/24	06/17/24	
4-Isopropyltoluene	ND	0.0250	1	06/12/24	06/17/24	
2-Butanone (MEK)	ND	1.00	1	06/12/24	06/17/24	
Methylene Chloride	ND	0.100	1	06/12/24	06/17/24	
1-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
2-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
4-Methyl-2-pentanone (MIBK)	ND	0.500	1	06/12/24	06/17/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS04-0'

E406109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Methyl tert-Butyl Ether (MTBE)	ND	0.0250	1	06/12/24	06/17/24	
Naphthalene	ND	0.100	1	06/12/24	06/17/24	
n-Propyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
Styrene	ND	0.0250	1	06/12/24	06/17/24	
tert-Amyl Methyl ether (TAME)	ND	0.0250	1	06/12/24	06/17/24	
1,1,1,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
Tetrachloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2,3-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,2,4-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,1,1-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
Trichloroethene	ND	0.0250	1	06/12/24	06/17/24	
Trichlorofluoromethane (Freon-11)	ND	0.100	1	06/12/24	06/17/24	
1,2,3-Trichloropropane	ND	0.0500	1	06/12/24	06/17/24	
1,2,4-Trimethylbenzene	ND	0.100	1	06/12/24	06/17/24	
1,3,5-Trimethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Toluene	ND	0.0250	1	06/12/24	06/17/24	
Vinyl chloride	ND	0.100	1	06/12/24	06/17/24	
o-Xylene	ND	0.0250	1	06/12/24	06/17/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/17/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*06/12/24*	*06/17/24*	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

SS04-0'

E406109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF			Batch: 2424100
pH @25°C	**7.87**		1	06/14/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*106 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*103 %*	*70-130*		*06/12/24*	*06/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424066
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	
Surrogate: n-Nonane	*94.1 %*	*50-200*		*06/12/24*	*06/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424089
Chloride	ND	200	10	06/13/24	06/14/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH01-0'

E406109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Acetone	ND	2.50	1	06/12/24	06/17/24	
Benzene	ND	0.0250	1	06/12/24	06/17/24	
Bromobenzene	ND	0.0250	1	06/12/24	06/17/24	
Bromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromodichloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromoform	ND	0.0250	1	06/12/24	06/17/24	
Bromomethane	ND	0.100	1	06/12/24	06/17/24	
n-Butyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
sec-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
tert-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Carbon Tetrachloride	ND	0.0250	1	06/12/24	06/17/24	
Chlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
Chloroethane	ND	0.100	1	06/12/24	06/17/24	
Chloroform	ND	0.250	1	06/12/24	06/17/24	
Chloromethane	ND	0.100	1	06/12/24	06/17/24	
2-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
4-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
Dibromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.100	1	06/12/24	06/17/24	
1,2-Dibromoethane (EDB)	ND	0.0500	1	06/12/24	06/17/24	
Dibromomethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,4-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
2,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
Diisopropyl Ether (DIPE)	ND	0.0250	1	06/12/24	06/17/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Ethyl tert-Butyl Ether (ETBE)	ND	0.0250	1	06/12/24	06/17/24	
Hexachlorobutadiene	ND	0.100	1	06/12/24	06/17/24	
2-Hexanone	ND	0.500	1	06/12/24	06/17/24	
Isopropylbenzene	ND	0.0250	1	06/12/24	06/17/24	
4-Isopropyltoluene	ND	0.0250	1	06/12/24	06/17/24	
2-Butanone (MEK)	ND	1.00	1	06/12/24	06/17/24	
Methylene Chloride	ND	0.100	1	06/12/24	06/17/24	
1-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
2-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
4-Methyl-2-pentanone (MIBK)	ND	0.500	1	06/12/24	06/17/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH01-0'

E406109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Methyl tert-Butyl Ether (MTBE)	ND	0.0250	1	06/12/24	06/17/24	
Naphthalene	ND	0.100	1	06/12/24	06/17/24	
n-Propyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
Styrene	ND	0.0250	1	06/12/24	06/17/24	
tert-Amyl Methyl ether (TAME)	ND	0.0250	1	06/12/24	06/17/24	
1,1,1,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
Tetrachloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2,3-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,2,4-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,1,1-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
Trichloroethene	ND	0.0250	1	06/12/24	06/17/24	
Trichlorofluoromethane (Freon-11)	ND	0.100	1	06/12/24	06/17/24	
1,2,3-Trichloropropane	ND	0.0500	1	06/12/24	06/17/24	
1,2,4-Trimethylbenzene	ND	0.100	1	06/12/24	06/17/24	
1,3,5-Trimethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Toluene	ND	0.0250	1	06/12/24	06/17/24	
Vinyl chloride	ND	0.100	1	06/12/24	06/17/24	
o-Xylene	ND	0.0250	1	06/12/24	06/17/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/17/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*106 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*95.5 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*111 %*	*70-130*		*06/12/24*	*06/17/24*	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH01-0'

E406109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF			Batch: 2424100
pH @25°C	**8.48**		1	06/14/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*106 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*95.5 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*111 %*	*70-130*		*06/12/24*	*06/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424066
Diesel Range Organics (C10-C28)	**76.9**	25.0	1	06/12/24	06/15/24	T16
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	T16
Surrogate: n-Nonane	*101 %*	*50-200*		*06/12/24*	*06/15/24*	*T16*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424089
Chloride	ND	200	10	06/13/24	06/14/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH01-0.25'

E406109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Acetone	ND	2.50	1	06/12/24	06/17/24	
Benzene	ND	0.0250	1	06/12/24	06/17/24	
Bromobenzene	ND	0.0250	1	06/12/24	06/17/24	
Bromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromodichloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromoform	ND	0.0250	1	06/12/24	06/17/24	
Bromomethane	ND	0.100	1	06/12/24	06/17/24	
n-Butyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
sec-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
tert-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Carbon Tetrachloride	ND	0.0250	1	06/12/24	06/17/24	
Chlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
Chloroethane	ND	0.100	1	06/12/24	06/17/24	
Chloroform	ND	0.250	1	06/12/24	06/17/24	
Chloromethane	ND	0.100	1	06/12/24	06/17/24	
2-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
4-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
Dibromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.100	1	06/12/24	06/17/24	
1,2-Dibromoethane (EDB)	ND	0.0500	1	06/12/24	06/17/24	
Dibromomethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,4-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
2,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
Diisopropyl Ether (DIPE)	ND	0.0250	1	06/12/24	06/17/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Ethyl tert-Butyl Ether (ETBE)	ND	0.0250	1	06/12/24	06/17/24	
Hexachlorobutadiene	ND	0.100	1	06/12/24	06/17/24	
2-Hexanone	ND	0.500	1	06/12/24	06/17/24	
Isopropylbenzene	ND	0.0250	1	06/12/24	06/17/24	
4-Isopropyltoluene	ND	0.0250	1	06/12/24	06/17/24	
2-Butanone (MEK)	ND	1.00	1	06/12/24	06/17/24	
Methylene Chloride	ND	0.100	1	06/12/24	06/17/24	
1-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
2-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
4-Methyl-2-pentanone (MIBK)	ND	0.500	1	06/12/24	06/17/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH01-0.25'

E406109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Methyl tert-Butyl Ether (MTBE)	ND	0.0250	1	06/12/24	06/17/24	
Naphthalene	ND	0.100	1	06/12/24	06/17/24	
n-Propyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
Styrene	ND	0.0250	1	06/12/24	06/17/24	
tert-Amyl Methyl ether (TAME)	ND	0.0250	1	06/12/24	06/17/24	
1,1,1,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
Tetrachloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2,3-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,2,4-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,1,1-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
Trichloroethene	ND	0.0250	1	06/12/24	06/17/24	
Trichlorofluoromethane (Freon-11)	ND	0.100	1	06/12/24	06/17/24	
1,2,3-Trichloropropane	ND	0.0500	1	06/12/24	06/17/24	
1,2,4-Trimethylbenzene	ND	0.100	1	06/12/24	06/17/24	
1,3,5-Trimethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Toluene	ND	0.0250	1	06/12/24	06/17/24	
Vinyl chloride	ND	0.100	1	06/12/24	06/17/24	
o-Xylene	ND	0.0250	1	06/12/24	06/17/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/17/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*06/12/24*	*06/17/24*	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH01-0.25'

E406109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF			Batch: 2424100
pH @25°C	**8.34**		1	06/14/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*104 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*96.0 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*104 %*	*70-130*		*06/12/24*	*06/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424066
Diesel Range Organics (C10-C28)	**81.9**	25.0	1	06/12/24	06/15/24	T16
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	T16
Surrogate: n-Nonane	*105 %*	*50-200*		*06/12/24*	*06/15/24*	*T16*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424089
Chloride	ND	200	10	06/13/24	06/14/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH02-0'

E406109-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Acetone	ND	2.50	1	06/12/24	06/17/24	
Benzene	ND	0.0250	1	06/12/24	06/17/24	
Bromobenzene	ND	0.0250	1	06/12/24	06/17/24	
Bromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromodichloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromoform	ND	0.0250	1	06/12/24	06/17/24	
Bromomethane	ND	0.100	1	06/12/24	06/17/24	
n-Butyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
sec-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
tert-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Carbon Tetrachloride	ND	0.0250	1	06/12/24	06/17/24	
Chlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
Chloroethane	ND	0.100	1	06/12/24	06/17/24	
Chloroform	ND	0.250	1	06/12/24	06/17/24	
Chloromethane	ND	0.100	1	06/12/24	06/17/24	
2-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
4-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
Dibromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.100	1	06/12/24	06/17/24	
1,2-Dibromoethane (EDB)	ND	0.0500	1	06/12/24	06/17/24	
Dibromomethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,4-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
2,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
Diisopropyl Ether (DIPE)	ND	0.0250	1	06/12/24	06/17/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Ethyl tert-Butyl Ether (ETBE)	ND	0.0250	1	06/12/24	06/17/24	
Hexachlorobutadiene	ND	0.100	1	06/12/24	06/17/24	
2-Hexanone	ND	0.500	1	06/12/24	06/17/24	
Isopropylbenzene	ND	0.0250	1	06/12/24	06/17/24	
4-Isopropyltoluene	ND	0.0250	1	06/12/24	06/17/24	
2-Butanone (MEK)	ND	1.00	1	06/12/24	06/17/24	
Methylene Chloride	ND	0.100	1	06/12/24	06/17/24	
1-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
2-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
4-Methyl-2-pentanone (MIBK)	ND	0.500	1	06/12/24	06/17/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH02-0'

E406109-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Methyl tert-Butyl Ether (MTBE)	ND	0.0250	1	06/12/24	06/17/24	
Naphthalene	ND	0.100	1	06/12/24	06/17/24	
n-Propyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
Styrene	ND	0.0250	1	06/12/24	06/17/24	
tert-Amyl Methyl ether (TAME)	ND	0.0250	1	06/12/24	06/17/24	
1,1,1,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
Tetrachloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2,3-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,2,4-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,1,1-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
Trichloroethene	ND	0.0250	1	06/12/24	06/17/24	
Trichlorofluoromethane (Freon-11)	ND	0.100	1	06/12/24	06/17/24	
1,2,3-Trichloropropane	ND	0.0500	1	06/12/24	06/17/24	
1,2,4-Trimethylbenzene	ND	0.100	1	06/12/24	06/17/24	
1,3,5-Trimethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Toluene	ND	0.0250	1	06/12/24	06/17/24	
Vinyl chloride	ND	0.100	1	06/12/24	06/17/24	
o-Xylene	ND	0.0250	1	06/12/24	06/17/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/17/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*105 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*102 %*	*70-130*		*06/12/24*	*06/17/24*	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH02-0'

E406109-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF			Batch: 2424100
pH @25°C	**7.95**		1	06/14/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*105 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*102 %*	*70-130*		*06/12/24*	*06/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424066
Diesel Range Organics (C10-C28)	**28.9**	25.0	1	06/12/24	06/15/24	T16
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	T16
Surrogate: n-Nonane	*114 %*	*50-200*		*06/12/24*	*06/15/24*	*T16*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424089
Chloride	ND	200	10	06/13/24	06/14/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH02-0.5'

E406109-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Acetone	ND	2.50	1	06/12/24	06/17/24	
Benzene	ND	0.0250	1	06/12/24	06/17/24	
Bromobenzene	ND	0.0250	1	06/12/24	06/17/24	
Bromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromodichloromethane	ND	0.0250	1	06/12/24	06/17/24	
Bromoform	ND	0.0250	1	06/12/24	06/17/24	
Bromomethane	ND	0.100	1	06/12/24	06/17/24	
n-Butyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
sec-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
tert-Butylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Carbon Tetrachloride	ND	0.0250	1	06/12/24	06/17/24	
Chlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
Chloroethane	ND	0.100	1	06/12/24	06/17/24	
Chloroform	ND	0.250	1	06/12/24	06/17/24	
Chloromethane	ND	0.100	1	06/12/24	06/17/24	
2-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
4-Chlorotoluene	ND	0.0250	1	06/12/24	06/17/24	
Dibromochloromethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.100	1	06/12/24	06/17/24	
1,2-Dibromoethane (EDB)	ND	0.0500	1	06/12/24	06/17/24	
Dibromomethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,4-Dichlorobenzene	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,2-Dichloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,3-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
2,2-Dichloropropane	ND	0.0250	1	06/12/24	06/17/24	
1,1-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
cis-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
trans-1,3-Dichloropropene	ND	0.0250	1	06/12/24	06/17/24	
Diisopropyl Ether (DIPE)	ND	0.0250	1	06/12/24	06/17/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Ethyl tert-Butyl Ether (ETBE)	ND	0.0250	1	06/12/24	06/17/24	
Hexachlorobutadiene	ND	0.100	1	06/12/24	06/17/24	
2-Hexanone	ND	0.500	1	06/12/24	06/17/24	
Isopropylbenzene	ND	0.0250	1	06/12/24	06/17/24	
4-Isopropyltoluene	ND	0.0250	1	06/12/24	06/17/24	
2-Butanone (MEK)	ND	1.00	1	06/12/24	06/17/24	
Methylene Chloride	ND	0.100	1	06/12/24	06/17/24	
1-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
2-Methylnaphthalene	ND	0.200	1	06/12/24	06/17/24	
4-Methyl-2-pentanone (MIBK)	ND	0.500	1	06/12/24	06/17/24	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH02-0.5'

E406109-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Methyl tert-Butyl Ether (MTBE)	ND	0.0250	1	06/12/24	06/17/24	
Naphthalene	ND	0.100	1	06/12/24	06/17/24	
n-Propyl Benzene	ND	0.0250	1	06/12/24	06/17/24	
Styrene	ND	0.0250	1	06/12/24	06/17/24	
tert-Amyl Methyl ether (TAME)	ND	0.0250	1	06/12/24	06/17/24	
1,1,1,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2,2-Tetrachloroethane	ND	0.0250	1	06/12/24	06/17/24	
Tetrachloroethene	ND	0.0250	1	06/12/24	06/17/24	
1,2,3-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,2,4-Trichlorobenzene	ND	0.100	1	06/12/24	06/17/24	
1,1,1-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
1,1,2-Trichloroethane	ND	0.0250	1	06/12/24	06/17/24	
Trichloroethene	ND	0.0250	1	06/12/24	06/17/24	
Trichlorofluoromethane (Freon-11)	ND	0.100	1	06/12/24	06/17/24	
1,2,3-Trichloropropane	ND	0.0500	1	06/12/24	06/17/24	
1,2,4-Trimethylbenzene	ND	0.100	1	06/12/24	06/17/24	
1,3,5-Trimethylbenzene	ND	0.0250	1	06/12/24	06/17/24	
Toluene	ND	0.0250	1	06/12/24	06/17/24	
Vinyl chloride	ND	0.100	1	06/12/24	06/17/24	
o-Xylene	ND	0.0250	1	06/12/24	06/17/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/17/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*99.8 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*95.4 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*103 %*	*70-130*		*06/12/24*	*06/17/24*	

Sample Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

BH02-0.5'

E406109-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF			Batch: 2424100
pH @25°C	**7.91**		1	06/14/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2424062
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/17/24	
Surrogate: Bromofluorobenzene	*99.8 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: 1,2-Dichloroethane-d4	*95.4 %*	*70-130*		*06/12/24*	*06/17/24*	
Surrogate: Toluene-d8	*103 %*	*70-130*		*06/12/24*	*06/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2424066
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/15/24	
Surrogate: n-Nonane	*114 %*	*50-200*		*06/12/24*	*06/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2424089
Chloride	ND	100	5	06/13/24	06/14/24	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424062-BLK1)									Prepared: 06/12/24 Analyzed: 06/17/24
Acetone	ND	2.50							
Benzene	ND	0.0250							
Bromobenzene	ND	0.0250							
Bromochloromethane	ND	0.0250							
Bromodichloromethane	ND	0.0250							
Bromoform	ND	0.0250							
Bromomethane	ND	0.100							
n-Butyl Benzene	ND	0.0250							
sec-Butylbenzene	ND	0.0250							
tert-Butylbenzene	ND	0.0250							
Carbon Tetrachloride	ND	0.0250							
Chlorobenzene	ND	0.0250							
Chloroethane	ND	0.100							
Chloroform	ND	0.250							
Chloromethane	ND	0.100							
2-Chlorotoluene	ND	0.0250							
4-Chlorotoluene	ND	0.0250							
Dibromochloromethane	ND	0.0250							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.100							
1,2-Dibromoethane (EDB)	ND	0.0500							
Dibromomethane	ND	0.0250							
1,2-Dichlorobenzene	ND	0.0250							
1,3-Dichlorobenzene	ND	0.0250							
1,4-Dichlorobenzene	ND	0.0250							
1,1-Dichloroethane	ND	0.0250							
1,2-Dichloroethane	ND	0.0250							
1,1-Dichloroethene	ND	0.0250							
cis-1,2-Dichloroethene	ND	0.0250							
trans-1,2-Dichloroethene	ND	0.0250							
1,2-Dichloropropane	ND	0.0250							
1,3-Dichloropropane	ND	0.0250							
2,2-Dichloropropane	ND	0.0250							
1,1-Dichloropropene	ND	0.0250							
cis-1,3-Dichloropropene	ND	0.0250							
trans-1,3-Dichloropropene	ND	0.0250							
Diisopropyl Ether (DIPE)	ND	0.0250							
Ethylbenzene	ND	0.0250							
Ethyl tert-Butyl Ether (ETBE)	ND	0.0250							
Hexachlorobutadiene	ND	0.100							
2-Hexanone	ND	0.500							
Isopropylbenzene	ND	0.0250							
4-Isopropyltoluene	ND	0.0250							
2-Butanone (MEK)	ND	1.00							
Methylene Chloride	ND	0.100							
1-Methylnaphthalene	ND	0.200							
2-Methylnaphthalene	ND	0.200							
4-Methyl-2-pentanone (MIBK)	ND	0.500							
Methyl tert-Butyl Ether (MTBE)	ND	0.0250							
Naphthalene	ND	0.100							
n-Propyl Benzene	ND	0.0250							
Styrene	ND	0.0250							
tert-Amyl Methyl ether (TAME)	ND	0.0250							
1,1,1,2-Tetrachloroethane	ND	0.0250							
1,1,2,2-Tetrachloroethane	ND	0.0250							
Tetrachloroethene	ND	0.0250							
1,2,3-Trichlorobenzene	ND	0.100							
1,2,4-Trichlorobenzene	ND	0.100							
1,1,1-Trichloroethane	ND	0.0250							
1,1,2-Trichloroethane	ND	0.0250							
Trichloroethene	ND	0.0250							
Trichlorofluoromethane (Freon-11)	ND	0.100							
1,2,3-Trichloropropane	ND	0.0500							
1,2,4-Trimethylbenzene	ND	0.100							
1,3,5-Trimethylbenzene	ND	0.0250							

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424062-BLK1)									Prepared: 06/12/24 Analyzed: 06/17/24
Toluene	ND	0.0250							
Vinyl chloride	ND	0.100							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.463*		*0.500*		*92.6*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
LCS (2424062-BS1)									Prepared: 06/12/24 Analyzed: 06/17/24
Benzene	2.73	0.0250	2.50		109	70-130			
Bromochloromethane	2.84	0.0250	2.50		114	65-135			
tert-Butylbenzene	2.76	0.0250	2.50		110	70-130			
Chlorobenzene	2.78	0.0250	2.50		111	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	2.67	0.100	2.50		107	55-135			
1,4-Dichlorobenzene	2.66	0.0250	2.50		106	70-130			
1,1-Dichloroethene	2.74	0.0250	2.50		110	61-133			
1,2-Dichloropropane	2.99	0.0250	2.50		119	70-130			
Diisopropyl Ether (DIPE)	2.91	0.0250	2.50		117	67-131			
Ethylbenzene	2.93	0.0250	2.50		117	70-130			
Methylene Chloride	2.67	0.100	2.50		107	68-130			
4-Methyl-2-pentanone (MIBK)	4.73	0.500	5.00		94.6	36-142			
Methyl tert-Butyl Ether (MTBE)	2.62	0.0250	2.50		105	70-130			
n-Propyl Benzene	2.87	0.0250	2.50		115	70-130			
1,1,1,2-Tetrachloroethane	2.67	0.0250	2.50		107	70-130			
Tetrachloroethene	2.89	0.0250	2.50		115	70-133			
1,2,3-Trichlorobenzene	2.75	0.100	2.50		110	70-137			
1,1,1-Trichloroethane	2.82	0.0250	2.50		113	70-130			
1,1,2-Trichloroethane	2.73	0.0250	2.50		109	70-130			
Trichloroethene	2.82	0.0250	2.50		113	70-130			
Toluene	2.88	0.0250	2.50		115	70-130			
Vinyl chloride	3.48	0.100	2.50		139	40-175			
o-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.54	0.0500	5.00		111	70-130			
Total Xylenes	8.23	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.548*		*0.500*		*110*	*70-130*			
Matrix Spike (2424062-MS1)				**Source: E406109-03**					Prepared: 06/12/24 Analyzed: 06/17/24
Benzene	2.54	0.0250	2.50	ND	102	48-131			
Bromochloromethane	2.58	0.0250	2.50	ND	103	60-140			
tert-Butylbenzene	2.61	0.0250	2.50	ND	104	37-142			
Chlorobenzene	2.53	0.0250	2.50	ND	101	44-134			
1,2-Dibromo-3-chloropropane (DBCP)	2.49	0.100	2.50	ND	99.5	40-138			
1,4-Dichlorobenzene	2.49	0.0250	2.50	ND	99.7	35-133			
1,1-Dichloroethene	2.53	0.0250	2.50	ND	101	36-142			
1,2-Dichloropropane	2.71	0.0250	2.50	ND	108	50-134			
Diisopropyl Ether (DIPE)	2.71	0.0250	2.50	ND	108	47-140			
Ethylbenzene	2.64	0.0250	2.50	ND	106	45-135			
Methylene Chloride	2.45	0.100	2.50	ND	98.0	46-130			
4-Methyl-2-pentanone (MIBK)	4.32	0.500	5.00	ND	86.4	23-149			
Methyl tert-Butyl Ether (MTBE)	2.43	0.0250	2.50	ND	97.0	50-131			
n-Propyl Benzene	2.65	0.0250	2.50	ND	106	35-139			
1,1,1,2-Tetrachloroethane	2.50	0.0250	2.50	ND	99.8	48-136			
Tetrachloroethene	2.64	0.0250	2.50	ND	106	38-140			
1,2,3-Trichlorobenzene	2.61	0.100	2.50	ND	104	10-150			
1,1,1-Trichloroethane	2.65	0.0250	2.50	ND	106	49-138			
1,1,2-Trichloroethane	2.49	0.0250	2.50	ND	99.4	52-132			
Trichloroethene	2.55	0.0250	2.50	ND	102	48-132			
Toluene	2.61	0.0250	2.50	ND	104	48-130			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Matrix Spike (2424062-MS1)				**Source: E406109-03**			Prepared: 06/12/24	Analyzed: 06/17/24	
Vinyl chloride	3.25	0.100	2.50	ND	130	32-175			
o-Xylene	2.52	0.0250	2.50	ND	101	43-135			
p,m-Xylene	5.20	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.73	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	*0.482*		*0.500*		*96.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: Toluene-d8	*0.533*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2424062-MSD1)				**Source: E406109-03**			Prepared: 06/12/24	Analyzed: 06/17/24	
Benzene	2.56	0.0250	2.50	ND	102	48-131	0.922	23	
Bromochloromethane	2.66	0.0250	2.50	ND	106	60-140	2.98	25	
tert-Butylbenzene	2.67	0.0250	2.50	ND	107	37-142	2.33	32	
Chlorobenzene	2.63	0.0250	2.50	ND	105	44-134	3.64	26	
1,2-Dibromo-3-chloropropane (DBCP)	2.71	0.100	2.50	ND	109	40-138	8.75	31	
1,4-Dichlorobenzene	2.55	0.0250	2.50	ND	102	35-133	2.32	31	
1,1-Dichloroethene	2.59	0.0250	2.50	ND	104	36-142	2.40	26	
1,2-Dichloropropane	2.80	0.0250	2.50	ND	112	50-134	3.41	23	
Diisopropyl Ether (DIPE)	2.78	0.0250	2.50	ND	111	47-140	2.37	24	
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135	3.22	27	
Methylene Chloride	2.49	0.100	2.50	ND	99.4	46-130	1.42	22	
4-Methyl-2-pentanone (MIBK)	4.66	0.500	5.00	ND	93.1	23-149	7.44	27	
Methyl tert-Butyl Ether (MTBE)	2.51	0.0250	2.50	ND	100	50-131	3.32	25	
n-Propyl Benzene	2.71	0.0250	2.50	ND	108	35-139	2.30	32	
1,1,1,2-Tetrachloroethane	2.47	0.0250	2.50	ND	98.9	48-136	0.926	26	
Tetrachloroethene	2.70	0.0250	2.50	ND	108	38-140	2.04	29	
1,2,3-Trichlorobenzene	2.75	0.100	2.50	ND	110	10-150	5.52	39	
1,1,1-Trichloroethane	2.69	0.0250	2.50	ND	108	49-138	1.70	25	
1,1,2-Trichloroethane	2.57	0.0250	2.50	ND	103	52-132	3.50	23	
Trichloroethene	2.64	0.0250	2.50	ND	106	48-132	3.56	25	
Toluene	2.68	0.0250	2.50	ND	107	48-130	2.48	24	
Vinyl chloride	3.26	0.100	2.50	ND	131	32-175	0.414	26	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	1.90	27	
p,m-Xylene	5.24	0.0500	5.00	ND	105	43-135	0.661	27	
Total Xylenes	7.81	0.0250	7.50	ND	104	43-135	1.07	27	
Surrogate: Bromofluorobenzene	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	
LCS (2424100-BS1)							Prepared: 06/14/24 Analyzed: 06/14/24		
pH	7.96		8.00		99.5	98.75-101.25			
Duplicate (2424100-DUP1)				**Source: E406110-01**			Prepared: 06/14/24 Analyzed: 06/14/24		
pH	11.8			11.8			0.0425	20	

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424062-BLK1)									Prepared: 06/12/24 Analyzed: 06/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.463*		*0.500*		*92.6*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
LCS (2424062-BS2)									Prepared: 06/12/24 Analyzed: 06/17/24
Gasoline Range Organics (C6-C10)	60.2	20.0	50.0		120	70-130			
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			
Matrix Spike (2424062-MS2)				**Source: E406109-03**					Prepared: 06/12/24 Analyzed: 06/17/24
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	*0.515*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.543*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2424062-MSD2)				**Source: E406109-03**					Prepared: 06/12/24 Analyzed: 06/17/24
Gasoline Range Organics (C6-C10)	56.3	20.0	50.0	ND	113	70-130	1.92	20	
Surrogate: Bromofluorobenzene	*0.530*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.504*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.537*		*0.500*		*107*	*70-130*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424066-BLK1)									Prepared: 06/12/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.6*		*50.0*		*107*	*50-200*			
LCS (2424066-BS1)									Prepared: 06/12/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	304	25.0	250		122	38-132			
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*50-200*			
Matrix Spike (2424066-MS1)				**Source: E406087-06**					Prepared: 06/12/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	38-132			
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*50-200*			
Matrix Spike Dup (2424066-MSD1)				**Source: E406087-06**					Prepared: 06/12/24 Analyzed: 06/14/24
Diesel Range Organics (C10-C28)	314	25.0	250	ND	125	38-132	1.33	20	
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*50-200*			

QC Summary Data

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	6/18/2024 3:27:22PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424089-BLK1)									Prepared: 06/13/24 Analyzed: 06/14/24
Chloride	ND	20.0							
LCS (2424089-BS1)									Prepared: 06/13/24 Analyzed: 06/14/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2424089-MS1)				**Source: E406109-04**					Prepared: 06/13/24 Analyzed: 06/14/24
Chloride	335	200	250	ND	134	80-120			M5
Matrix Spike Dup (2424089-MSD1)				**Source: E406109-04**					Prepared: 06/13/24 Analyzed: 06/14/24
Chloride	317	200	250	ND	127	80-120	5.56	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

San Mateo Stebbins Water Management, LLC	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	06/18/24 15:27

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.
T16	The results for this petroleum hydrocarbon analysis is elevated due to the presence of a single analyte peak in the quantitation range.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/22/2024 4:31:04 PM
Received by OCD: 8/21/2024 12:18:07 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: San Meteo	Company: Ensolum LLC	Lab WO# E406109	Job Number 23003-0002	1D 2D 3D Std: x	NM CO UT TX: x
Project: Black River Gas (Plant 3)	Address: 3122 National Parks Hwy			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	H2S			Remarks
9:58	6/10/2024	Soil	1	SS01 - 0'		1				X		X			X			
10:01	6/10/2024	Soil	1	SS02 - 0'		2				X		X			X			
10:03	6/10/2024	Soil	1	SS03 - 0'		3				X		X			X			
10:08	6/10/2024	Soil	1	SS04 - 0'		4				X		X			X			
10:30	6/10/2024	Soil	1	BH01 - 0'		5				X		X			X			
11:09	6/10/2024	Soil	1	BH01 - 0.25'		6				X		X			X			
10:37	6/10/2024	Soil	1	BH02 - 0'		7				X		X			X			
11:11	6/10/2024	Soil	1	BH02 - 0.5'		8				X		X			X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com

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

Sampled by: Cole Burton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Cole Burton	6-11-24	7:30	Michelle Gonzales	6-11-24	1145
Michelle Gonzales	6-11-24	1645	[illegible]	6.11.24	1700
[illegible]	6.11.24	2330	[illegible]	06/12/24	900
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 6/12/2024 11:58:31AM

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:	San Mateo Stebbins Water Management, LLC	Date Received:	06/12/24 09:00	Work Order ID:	E406109
Phone:	(972) 371-5200	Date Logged In:	06/11/24 16:37	Logged In By:	Alexa Michaels
Email:	agiovengo@ensolum.com	Due Date:	06/18/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Matador Resources, LLC.

Project Name:	Black River Gas (Plant 3)
Work Order:	E407049
Job Number:	23003-0002
Received:	7/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/11/24

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: 7/11/24

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

Project Name: Black River Gas (Plant 3)
Workorder: E407049
Date Received: 7/10/2024 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/10/2024 8:30:00AM, under the Project Name: Black River Gas (Plant 3).

The analytical test results summarized in this report with the Project Name: Black River Gas (Plant 3) 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

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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

- FS01-0’ 6
- FS02-0’ 7
- FS03-0’ 8
- FS04-0’ 9
- FS05-0’ 10
- FS06-0’ 11
- FS07-0’ 12
- FS08-0’ 13
- FS09-0’ 14
- FS10-0’ 15
- FS11-0’ 16
- FS12-0’ 17
- FS13-0’ 18
- FS14-0’ 19

QC Summary Data 20

- QC - Volatile Organics by EPA 8021B 20
- QC - Nonhalogenated Organics by EPA 8015D - GRO 21
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 22
- QC - Anions by EPA 300.0/9056A 23

Definitions and Notes 24

Table of Contents (continued)

Chain of Custody etc. 25

Sample Summary

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/11/24 14:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E407049-01A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS02-0'	E407049-02A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS03-0'	E407049-03A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS04-0'	E407049-04A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS05-0'	E407049-05A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS06-0'	E407049-06A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS07-0'	E407049-07A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS08-0'	E407049-08A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS09-0'	E407049-09A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS10-0'	E407049-10A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS11-0'	E407049-11A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS12-0'	E407049-12A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS13-0'	E407049-13A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.
FS14-0'	E407049-14A	Soil	07/08/24	07/10/24	Glass Jar, 2 oz.

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS01-0'

E407049-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.9 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS02-0'

E407049-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	100	5	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS03-0'

E407049-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	**434**	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS04-0'

E407049-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	100	5	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS05-0'

E407049-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.5 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	**139**	25.0	1	07/10/24	07/10/24	T17
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	100	5	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS06-0'

E407049-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.6 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS07-0'

E407049-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.8 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS08-0'

E407049-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	**1.39**	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	**0.772**	0.0250	1	07/10/24	07/10/24	
Toluene	**5.79**	0.0250	1	07/10/24	07/10/24	
o-Xylene	**1.97**	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	**4.67**	0.0500	1	07/10/24	07/10/24	
Total Xylenes	**6.63**	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.0 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	**35.4**	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	**290**	25.0	1	07/10/24	07/10/24	T17
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*96.8 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS09-0'

E407049-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.9 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*91.4 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS10-0'

E407049-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.4 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	**41.8**	25.0	1	07/10/24	07/10/24	T17
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS11-0'

E407049-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.1 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	**33.7**	25.0	1	07/10/24	07/10/24	T17
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS12-0'

E407049-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*85.8 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	**44.2**	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	**88.6**	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS13-0'

E407049-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.1 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	**26.1**	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

Sample Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

FS14-0'

E407049-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Benzene	ND	0.0250	1	07/10/24	07/10/24	
Ethylbenzene	ND	0.0250	1	07/10/24	07/10/24	
Toluene	ND	0.0250	1	07/10/24	07/10/24	
o-Xylene	ND	0.0250	1	07/10/24	07/10/24	
p,m-Xylene	ND	0.0500	1	07/10/24	07/10/24	
Total Xylenes	ND	0.0250	1	07/10/24	07/10/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.1 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2428042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/10/24	07/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*07/10/24*	*07/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2428047
Diesel Range Organics (C10-C28)	ND	25.0	1	07/10/24	07/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/10/24	07/10/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*07/10/24*	*07/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2428052
Chloride	ND	200	10	07/10/24	07/10/24	

QC Summary Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2428042-BLK1)									Prepared: 07/10/24 Analyzed: 07/10/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.04*		*8.00*		*88.0*	*70-130*			
LCS (2428042-BS1)									Prepared: 07/10/24 Analyzed: 07/10/24
Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.70	0.0250	5.00		94.1	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	4.78	0.0250	5.00		95.7	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.4	0.0250	15.0		96.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.12*		*8.00*		*89.0*	*70-130*			
Matrix Spike (2428042-MS1)				**Source: E407049-08**					Prepared: 07/10/24 Analyzed: 07/10/24
Benzene	6.19	0.0250	5.00	1.39	96.1	54-133			
Ethylbenzene	5.37	0.0250	5.00	0.772	91.9	61-133			
Toluene	9.56	0.0250	5.00	5.79	75.4	61-130			
o-Xylene	6.46	0.0250	5.00	1.97	89.9	63-131			
p,m-Xylene	13.4	0.0500	10.0	4.67	87.8	63-131			
Total Xylenes	19.9	0.0250	15.0	6.63	88.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.21*		*8.00*		*90.2*	*70-130*			
Matrix Spike Dup (2428042-MSD1)				**Source: E407049-08**					Prepared: 07/10/24 Analyzed: 07/10/24
Benzene	6.15	0.0250	5.00	1.39	95.3	54-133	0.647	20	
Ethylbenzene	5.31	0.0250	5.00	0.772	90.7	61-133	1.16	20	
Toluene	9.66	0.0250	5.00	5.79	77.5	61-130	1.10	20	
o-Xylene	6.45	0.0250	5.00	1.97	89.7	63-131	0.183	20	
p,m-Xylene	13.4	0.0500	10.0	4.67	87.6	63-131	0.158	20	
Total Xylenes	19.9	0.0250	15.0	6.63	88.3	63-131	0.166	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.18*		*8.00*		*89.8*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2428042-BLK1)									Prepared: 07/10/24 Analyzed: 07/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.75*		*8.00*		*109*	*70-130*			
LCS (2428042-BS2)									Prepared: 07/10/24 Analyzed: 07/10/24
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.90*		*8.00*		*111*	*70-130*			
Matrix Spike (2428042-MS2)				**Source: E407049-08**					Prepared: 07/10/24 Analyzed: 07/10/24
Gasoline Range Organics (C6-C10)	81.7	20.0	50.0	35.4	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.87*		*8.00*		*111*	*70-130*			
Matrix Spike Dup (2428042-MSD2)				**Source: E407049-08**					Prepared: 07/10/24 Analyzed: 07/10/24
Gasoline Range Organics (C6-C10)	84.3	20.0	50.0	35.4	97.9	70-130	3.16	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.92*		*8.00*		*111*	*70-130*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2428047-BLK1)									Prepared: 07/10/24 Analyzed: 07/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*61.0*		*50.0*		*122*	*50-200*			
LCS (2428047-BS1)									Prepared: 07/10/24 Analyzed: 07/10/24
Diesel Range Organics (C10-C28)	320	25.0	250		128	38-132			
Surrogate: n-Nonane	*62.8*		*50.0*		*126*	*50-200*			
Matrix Spike (2428047-MS1)				**Source: E407049-05**					Prepared: 07/10/24 Analyzed: 07/10/24
Diesel Range Organics (C10-C28)	494	25.0	250	139	142	38-132			M2
Surrogate: n-Nonane	*64.0*		*50.0*		*128*	*50-200*			
Matrix Spike Dup (2428047-MSD1)				**Source: E407049-05**					Prepared: 07/10/24 Analyzed: 07/10/24
Diesel Range Organics (C10-C28)	501	25.0	250	139	145	38-132	1.41	20	M2
Surrogate: n-Nonane	*64.1*		*50.0*		*128*	*50-200*			

QC Summary Data

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	**Reported:**
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	
Dallas TX, 75240	Project Manager:	Ashley Giovengo	7/11/2024 2:20:52PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2428052-BLK1)									Prepared: 07/10/24 Analyzed: 07/10/24
Chloride	ND	20.0							
LCS (2428052-BS1)									Prepared: 07/10/24 Analyzed: 07/10/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2428052-MS1)				**Source: E407049-01**					Prepared: 07/10/24 Analyzed: 07/10/24
Chloride	281	200	250	ND	112	80-120			
Matrix Spike Dup (2428052-MSD1)				**Source: E407049-01**					Prepared: 07/10/24 Analyzed: 07/10/24
Chloride	275	200	250	ND	110	80-120	2.01	20	

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

Definitions and Notes

Matador Resources, LLC.	Project Name:	Black River Gas (Plant 3)	
5400 LBJ Freeway, Suite 1500	Project Number:	23003-0002	**Reported:**
Dallas TX, 75240	Project Manager:	Ashley Giovengo	07/11/24 14:20

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
T17	The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Released to Imaging: 8/22/2024 4:31:04 PM
Received by OCD: 8/21/2024 12:18:07 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E407049	1D 2D 3D Std: X	NM CO UT TX: x
Project: Black River Gas (Plant 3)	Address: 3122 National Parks Hwy	Job Number 23003-0002		
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	PH			Remarks
10:42	7/8/2024	S	1	FS01 - 0'		1				X		X			X			
10:49	7/8/2024	S	1	FS02 - 0'		2				X		X			X			
10:52	7/8/2024	S	1	FS03 - 0'		3				X		X			X			
10:55	7/8/2024	S	1	FS04 - 0'		4				X		X			X			
11:04	7/8/2024	S	1	FS05 - 0'		5				X		X			X			
11:02	7/8/2024	S	1	FS06 - 0'		6				X		X			X			
10:59	7/8/2024	S	1	FS07 - 0'		7				X		X			X			
11:08	7/8/2024	S	1	FS08 - 0'		8				X		X			X			
11:10	7/8/2024	S	1	FS09 - 0'		9				X		X			X			
11:14	7/8/2024	S	1	FS10 - 0'		10				X		X			X			

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com

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

Sampled by: Cole Burton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7/9/24	7:30	Michelle Gonzales	7-9-24	0730
Michelle Gonzales	7-9-24	1725	[signature]	7.9.24	1725
[signature]	7-9-24	2345	[signature]	7-10-24	0830
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Released to Imaging: 8/22/2024 4:31:04 PM
Received by OCD: 8/21/2024 12:18:07 PM

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Matador Production Company	Company: Ensolum LLC	Lab WO# E 407049	1D 2D 3D Std	NM CO UT TX
Project: Black River Gas (Plant 3)	Address: 3122 National Parks Hwy	Job Number 23003-0002	X	x
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: 575-988-0055			
City, State, Zip: Carlsbad NM, 88220	Email: agiovengo@ensolum.com			
Phone: 575-988-0055	Miscellaneous:			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	PH			Remarks
11:23	7/8/2024	S	1	FS11 - 0'		11				X		X			X			
11:17	7/8/2024	S	1	FS12 - 0'		12				X		X			X			
11:20	7/8/2024	S	1	FS13 - 0'		13				X		X			X			
11:28	7/8/2024	S	1	FS14 - 0'		14				X		X			X			

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com

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

Sampled by: Cole Burton

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7/9/24	7:30	Michelle Gonzales	7-9-24	0730
Michelle Gonzales	7.9.24	1725	[signature]	7.9.24	1725
[signature]	7.9.24	2345	[signature]	7-10-24	0830
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 7/10/2024 11:17:38AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Matador Resources, LLC.	Date Received:	07/10/24 08:30	Work Order ID:	E407049
Phone:	(972) 371-5200	Date Logged In:	07/09/24 16:42	Logged In By:	Raina Schwanz
Email:	agiovngo@ensolum.com	Due Date:	07/10/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

ENSOLUM

APPENDIX

NMOCD Notifications

From: Wells, Shelly, EMNRD
To: Ashley Giovengo; Jason Touchet
Cc: Cole Burton; Chad Hamilton; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 371074
Date: Wednesday, August 14, 2024 1:36:39 PM
Attachments: image001.png
image002.png
image003.png

[**EXTERNAL EMAIL**]

Good afternoon Ashley,

Please resubmit your remediation closure report to the portal after adding to the remediation summary a description of the following: the request by OCD for glycols and what you found out regarding the lab samples being out of hold time. Explain the analysis method as you do below for glycols. Then explain what Matador has done to prevent this in the future by building the containment. This will be suitable for closure.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Wednesday, August 14, 2024 8:41 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Jason Touchet <jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 371074

Good Morning Shelly,

It looks like the analysis required for Glycols is called TEG and the analysis method is 8015B. The hold time for analysis 8015B is 14 days, so our confirmation samples have already exceeded that hold time. Please let me know how you would like to proceed.

Thanks,

Ashley Giovengo
Senior Scientist
575-988-0055
Ensolum, LLC
"Your authenticity is your superpower." – Unknown

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, August 13, 2024 11:24 AM
To: Ashley Giovengo <agiovengo@ensolum.com>; Jason Touchet <jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 371074

[**EXTERNAL EMAIL**]

Hi Ashley,

If the samples are still within the hold time for testing for ethylene glycol, OCD would like to see the results of that. Please let me know if this can be done. If the hold time has expired, also let me know and we will touch base with you regarding what is to be done.

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Tuesday, August 13, 2024 9:58 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Jason Touchet <jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 371074

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

Good Morning Shelly,

I am writing in response to the denial of the Black River Gas (Plant 3) (Site) release (Incident Number nAPP2414653793). On May 25, 2024, approximately 19 bbls of Triethylene Glycol (CAS Number 112-27-6) were release onto a caliche pad; 3 bbls were recovered. Per **19.15.29.11(A)5(e) NMAC,** Triethylene Glycol is not a constituent that appears on Table 1 of 40 C.F.R. 261.24(b) nor a constituent that is identified in the New Mexico environment department's Risk Assessment Guidance for Site Investigations and Remediation Volumes I and II (assessment). Per **19.15.29.11(A)5(e)(iii),** if the constituent is not identified in Items (i) or (ii) of Subparagraph (e) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC, the division shall consult with the responsible party to determine appropriate remediation of the release. Delineation soil samples from the release were analyzed for 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; chloride following EPA Method 300.0; volatile organic compounds (VOC's) following EPA Method 8260B; and pH following EPA Method 9045D. All delineation soil samples were below the applicable Closure Criteria for the Site, and a surface scrape was completed to remove visible surface staining only. All 14 confirmation soil samples were below the applicable Site Closure Criteria per NMOCD Table I. Can you please let me know what/if there are additional constituents of concern that need to be analyzed in the confirmation soil samples; I would like to have them analyzed while they are still in the lab's custody if the hold time has not expired. The release area has been backfilled and San Mateo DLK Black River Midstream, LLC has built a concrete containment in confirmation sample area's FS07, FS09, FS12, and FS08 to ensure that potential glycol release are contained the future. Please let us know how to proceed.

Thanks,

Ashley Giovengo
Senior Scientist
575-988-0055
Ensolum, LLC

"Your authenticity is your superpower." – Unknown

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 360981
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2414653793**
Incident Name	**NAPP2414653793 BLACK RIVER GAS (PLANT 3) @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Black River Gas (Plant 3)**
Date Release Discovered	**05/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,620
What is the estimated number of samples that will be gathered	13
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/08/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.26036, -104.13174

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 360981
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/3/2024

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

QUESTIONS

Action 360985

QUESTIONS

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 360985
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2414653793**
Incident Name	**NAPP2414653793 BLACK RIVER GAS (PLANT 3) @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Black River Gas (Plant 3)**
Date Release Discovered	**05/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,620
What is the estimated number of samples that will be gathered	13
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/09/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.26036, -104.13174

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

CONDITIONS

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 360985
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/3/2024

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

QUESTIONS

Action 363550

QUESTIONS

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 363550
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2414653793**
Incident Name	**NAPP2414653793 BLACK RIVER GAS (PLANT 3) @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**Black River Gas (Plant 3)**
Date Release Discovered	**05/25/2024**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	2,620
What is the estimated number of samples that will be gathered	13
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/12/2024
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.26036 -104.13174

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CONDITIONS

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 363550
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
j_touchet	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	7/12/2024

From: Wells, Shelly, EMNRD
To: Ashley Giovengo; Hamlet, Robert, EMNRD; clinton.talley@matadorresources.com; Jason Touchet
Cc: Cole Burton; Chad Hamilton
Subject: RE: [EXTERNAL] 48-hour Confirmation Sampling Variance Request Email - San Mateo - Black River Gas (Plant 3) - Incident Number nAPP2414653793
Date: Friday, July 12, 2024 8:46:44 AM
Attachments: image001.png
image002.png
image003.png

[**EXTERNAL EMAIL**]

Good morning Ashley,

A variance to the two business day sampling notice is approved for NAPP2414653793 BLACK RIVER GAS (PLANT 3) for 7/12/24. Please 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.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Friday, July 12, 2024 7:58 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; clinton.talley@matadorresources.com; Jason Touchet <jason.touchet@matadorresources.com>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>
Subject: [EXTERNAL] 48-hour Confirmation Sampling Variance Request Email - San Mateo - Black River Gas (Plant 3) - Incident Number nAPP2414653793

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

Good Morning,

San Mateo DLK Black River Midstream, LLC (San Mateo) will be submitting a 48-hour confirmation sampling notice today (07/12/24) via the New Mexico Oil Conservation Division (NMOCD) web portal for the Black River Gas Plant 3 (Site) however, San Mateo would like to request a variance on the 48-hour notice. Ensolum personnel completed delineation sampling activities at the Site prior to beginning the excavation and laboratory analytical results indicated that all constituents of concern (COC's) were below the Site Closure Criteria. Ensolum personnel oversaw the excavation of the release area on (07/08/2024) and field screening results did not indicate that COC's were not present. Upon reviewing laboratory analytical results from confirmation soil samples collected on (07/08/2024), three confirmation soil samples exceeded the site Closure Criteria. San Mateo is currently preparing to pour concrete and set new production equipment and will need to halt operations, today (07/12/24) to re-excavate the release area and to recollect the failing confirmation soil samples. San Mateo respectfully requests a variance for the 48-hour prior notice of confirmation sampling activities at this Site. We appreciate your time and assistance with this matter.

Thanks,

Ashley Giovengo
Senior Scientist
575-988-0055
Ensolum, LLC

"Your authenticity is your superpower." – Unknown

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QUESTIONS

Action 376148

QUESTIONS

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 376148
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2414653793**
Incident Name	**NAPP2414653793 BLACK RIVER GAS (PLANT 3) @ 0**
Incident Type	**Release Other**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BLACK RIVER GAS (PLANT 3)
Date Release Discovered	05/25/2024
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: Equipment Failure | Other (Specify) | Glycol | Released: 19 BBL | Recovered: 3 BBL | Lost: 16 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 376148
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 08/21/2024

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QUESTIONS (continued)

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 376148
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	434
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	325.4
GRO+DRO (EPA SW-846 Method 8015M)	325.4
BTEX (EPA SW-846 Method 8021B or 8260B)	15
Benzene (EPA SW-846 Method 8021B or 8260B)	1
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	07/08/2024
On what date will (or did) the final sampling or liner inspection occur	07/12/2024
On what date will (or was) the remediation complete(d)	07/12/2024
What is the estimated surface area (in square feet) that will be reclaimed	2620
What is the estimated volume (in cubic yards) that will be reclaimed	80
What is the estimated surface area (in square feet) that will be remediated	2620
What is the estimated volume (in cubic yards) that will be remediated	80
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 376148
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	R360 Facility
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 08/21/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 376148
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS (continued)

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 376148
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**363550**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/12/2024**
What was the (estimated) number of samples that were to be gathered	**13**
What was the sampling surface area in square feet	**2620**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2620
What was the total volume (cubic yards) remediated	80
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2620
What was the total volume (in cubic yards) reclaimed	80
Summarize any additional remediation activities not included by answers (above)	N/A

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Jason Touchet Title: EHS Field Rep Email: jason.touchet@matadorresources.com Date: 08/21/2024

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QUESTIONS (continued)

Operator: San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	OGRID: 330257
	Action Number: 376148
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 376148

CONDITIONS

Operator:	OGRID:
San Mateo DLK Black River Midstream, LLC 5400 LBJ Freeway Dallas, TX 75240	330257
	Action Number: 376148
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CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/22/2024