

REVIEWED By NVelez at 10:04 am, Oct 28, 2024

1. Continue further actions as stated in report.

2. Submit next quarterly report by January 15, 2025.

October 7, 2024

Mr. Nelson Velez, Environmental Specialist – Advanced New Mexico Oil Conservation Division – District 3 1000 Rio Brazos Road Aztec, New Mexico 87410

Re: Status Report – 3rd Quarter 2024 Fifield 5 No. 1 (SE ¼, SW ¼, Sec. 5, T29N, R11W) Hilcorp Energy Company San Juan County, New Mexico OCD Incident No. NVF1718155324

Dear Mr. Velez:

On behalf of Hilcorp Energy Company (Hilcorp), Timberwolf Environmental, LLC (Timberwolf) presents this report to document activities conducted during the 3rd quarter of 2024 (3Q24) at the Fifield 5 No. 1 (Site). The Site is a plugged well site in northeast San Juan County, New Mexico (Figures 1 through 3).

Environmental Setting and Site Geology

The area immediately surrounding the Site consists of sparse vegetative cover comprised primarily of scrub brush. Area topography consists of ridges divided by shallow valleys with intermittent streams that flow south into the San Juan River. The Site is situated east of an unnamed mesa, with an average Site elevation of approximately 5,786 feet (ft). The nearest waterway is an unnamed intermittent stream located approximately 1,350 ft west of the Site. The intermittent stream empties into the San Juan River, approximately 3.4 miles south of the Site.

According to the U.S. Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS), the Site soil consists of the Gypsiorthids-Badland-Stumble complex, with 5 to 30 percent slopes. The surface layer consists of sandy loam, underlain by lithic bedrock encountered between 16 to 20 inches below ground surface (bgs). Native salinity of the soil is very slightly saline to slightly saline (2.0 to 4.0 millimhos per centimeter (mmhos/cm)).



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Site History

Release Event

The Fifield 5 No. 1 well has been plugged and all surface equipment removed from the Site; however, Hilcorp's Hali Meador #005R is located immediately west of the Site and remains active. Historically, the Site has consisted of a wellhead, line heater, and separator with the associated below-grade tank (BGT) for produced water, sales meter, and tank battery comprised of one above-ground storage tank (AST) and one BGT. On approximately 06/01/17, removal and closure of the BGT revealed historical contamination beneath the BGT. All surface equipment was removed, and the well was plugged and abandoned.

Investigation and Site Characterization

Initial assessment efforts were conducted by Rule Engineering, LLC (Rule), a subcontractor of ConocoPhillips Company (ConocoPhillips). Hilcorp acquired the property in 2017 and Rule conducted additional assessments in 2018. All findings by Rule Engineering are documented in Timberwolf's *Site Characterization and Remedial Action Plan*, dated February 28, 2019. The initial assessment identified the following constituents of concern (COCs): benzene, toluene, ethylbenzene, and xylene (BTEX) and total petroleum hydrocarbons (TPH).

On March 20, 2019, additional borings were installed at the Site to delineate petroleum hydrocarbon impacts vertically and horizontally in soil. All findings are documented in Timberwolf's *Site Characterization Report and Remedial Action Plan*, dated June 14, 2019.

Remediation – SVE System

In 2019, Hilcorp installed a soil vapor extraction (SVE) system to treat impacted soil related to historical pit tank releases. The SVE system is comprised of 18 SVE wells, 6 vent wells, and an SVE trailer (housing: control valves, flow and vacuum gauges, manifolds, fluid-air separator, automated controls, and a vacuum pump). The system remained inoperative while awaiting a power source.

In September 2021, Hilcorp installed a power source for the SVE system. The power source is a skidmounted gas-fired motor with a pulley and belt drive apparatus to transfer power to a vacuum pump. The new vacuum pump was plumbed into the existing SVE trailer; the automation system was bypassed so that all legs remained open.

Work conducted at this Site is documented in the following reports:

- Site Characterization and Remedial Action Plan, dated 02/28/19
- Site Characterization and Remedial Action Plan, dated 07/14/19
- Status Report 1st Quarter 2020, dated 09/20/21
- Status Report 2nd Quarter 2020, dated 09/27/21
- Status Report 3rd Quarter 2020, dated 09/27/21
- Status Report 4th Quarter 2020, dated 09/27/21
- *Status Report 1^{sr} Quarter 2021*, dated 09/27/21



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- *Status Report 2nd Quarter 2021,* dated 09/27/21
- *Status Report 3rd Quarter 2021,* dated 11/01/21
- Status Report 4th Quarter 2021, dated 01/29/22
- *Status Report 1sr Quarter 2022,* dated 04/15/22
- *Status Report 2nd Quarter 2022,* dated 07/14/22
- *Status Report 3rd Quarter 2022,* dated 10/14/22
- *Status Report 4th Quarter 2022,* dated 01/13/23
- *Status Report 1st Quarter 2023,* dated 04/14/23
- *Status Report 2nd Quarter 2023*, dated 07/13/23
- *Status Report 3rd Quarter 2023*, dated 10/11/23
- *Status Report* 4th Quarter 2023, dated 01/08/24
- Status Report 1st Quarter 2024, dated 04/11/24
- *Status Report 2^{ndt} Quarter 2024*, dated 07/09/24

SVE System Operations

The SVE system is equipped with four independent legs (i.e., Leg 1, Leg 2, Leg 3, and Leg 4). Leg 1 provides vacuum to the shallow wells and Legs 2, 3, and 4 provide vacuum extraction to the deep SVE wells. System automation was incorporated in April 2024; automation was activated on 04/19/24 and programmed to oscillate between Legs 1, 2, 3, and 4 every 6 hours for continuous 24-hr operations. The SVE wells were configured as shown in Figure 4. Programmed runtimes are presented in Table 1 below.

Leg	SVE Wells and Location	Scheduled Runtime
Leg 1	Shallow SVE Wells S1, S2, S3 and S4 Central and Western side of treatment zone	6 hours
Leg 2	Deep SVE Wells W1, W5, W6, and W7 Central and Western side of treatment zone	6 hours
Leg 3	Deep SVE Wells W8, W11, W12 and W13 Southern side of treatment zone	6 hours
Leg 4 Deep SVE Wells W3, W4, W9, W10, and W14 Eastern side of treatment zone		6 hours

SVE - soil vapor extraction

Shallow Well Screen Interval – 7 to 10 ft. Deep Well Screen Interval – 25 to 35 ft.

Water and condensate are recovered with a moisture separator, which is fitted with a 1-inch PVC pipe to transfer recovered fluids to an open-top tank fitted with bird netting. No water or condensate was recovered during 3Q24 operation and maintenance (O&M) events and sampling period. SVE system runtime for 3Q24 is documented in Table 2 below.



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Date	Hour Meter
06/26/2024	4,813
07/19/2024	5,364
07/29/2024	5,610
08/14/2024	5,991
08/27/2024	6,258
09/10/2024	6,597
09/24/2024	6,933
Total Runtime	2,120

Table 2. System Runtime – 3Q24

System runtime between the last 2Q24 reading (06/26/24) and the latest 3Q24 reading (09/24/24) was 2,120 hours. The total hours available during this period was 2208 hours; therefore, yielding a runtime percentage (%) of 98.1 for 3Q24. A vacuum pump motor failure occurred on 8/17/24; the motor was replaced by Hilcporp on 8/19/24. Cygnet telemetry data showed continuous operation throughout the quarter, except for the SVE pump failure. Photographs of relevant meter readings are documented in the attached Photographic Log.

During 3Q24, Hilcorp personnel conducted five (6) operational checks for the quarter. Additionally, one (1) maintenance events was conducted to perform the following activities:

• Installed a new motor for the SVE system pump

A field log of O&M events and maintenance performed is provided in the attached Table A-1.

Collection and Analysis of Quarterly Soil-Gas Sample

On 09/10/24, a composite soil-gas sample was collected from the SVE system's four Legs. A vacuum pump was connected to the SVE trailer's sampling port, which is situated downstream of the 4-leg manifold and upstream of the air-water separator. The sampling port valve was opened once the pump was activated to purge air within the tubing between the sampling port and Tedlar[®] bag. After purging, the Tedlar[®] bag valve was opened to collect the air sample.

The soil-gas sample (i.e., SVE-1) was transported to Eurofins Albuquerque, located in Albuquerque, New Mexico. Eurofins Albuquerque analyzed the sample for volatile organic compounds (VOCs) and subcontracted other gas analyses to Energy Laboratories in Billings, Montana. All sample transfers were conducted under proper chain-of-custody protocol.

The sample was analyzed for VOCs using EPA Method 8260B, Organic Compounds (GC) by GPA 2261-95, and Gasoline Range Organics by EPA Method 8015D. The laboratory report and chain-of-custody documents are attached.

Laboratory results of constituents that exceeded laboratory detection limits are presented in Table 3; analytical results of all constituents are presented in the attached Table A-2.



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Constituents	SVE-1			
Volatile Organic Compounds (mg/m ³)				
Benzene	24			
Toluene	170			
Ethylbenzene	13			
Isopropyl benzene	2.6			
N-Propyl benzene	3.0			
Total Xylenes	190			
1,2,4-Trimethylbenzene	14			
1,3,5-Trimethylbenzene	14			
Gasoline Range (mg/m³)				
TPH (GC-MS) Low Fraction (i.e., GRO)	790			
Gases (Mol %)				
Oxygen	21.36			
Carbon Dioxide	0.09			
-				

Table 3. Quarterly Soil-Gas Analysis - 09/10/24

mg/m³ - milligrams per cubic meter, equivalent to ug/L

TPH – total petroleum hydrocarbons

GC-MS - gas chromatography-mass spectrometry

GRO – gasoline range organics

Mol % – mole percent

Mass Removal

Timberwolf used the laboratory results from the soil-gas analysis (as reported in Table 3), flow rates, and runtimes to calculate constituent mass removal. Mass removal of GRO, BTEX, and associated recovered volumes for 3Q24 are presented in Table 4 below.

	Table 4. Mass Removal and Associated Volume 5424					
Constituent		Mass Removal (kg) ¹	Total Mass Removed (Ibs) ²	Recovered Volume (bbl)		
	GRO	187.0	411.3	1.53		
	Benzene	0.57	1.25	0.00		
	Toluene	40.2	88.5	0.33		
	Ethylbenzene	3.08	6.77	0.03		
	Xylenes	45.0	98.9	0.37		

Table 4. Mass Removal and Associated Volume – 3Q24

¹ Calculation = minutes ran * CFM * Concentration (mg/m³) * 1 M³/35.3147 ft³ *1 g/1000 mg * 1 kg/1000 g

² Calculation = [Mass Removal] * 2.2 lbs/kg

GRO = from TPH (GC/MS) Low Fraction (i.e., gasoline range organics)

kg – kilograms

lbs – pounds

bbl – barrel

Assumptions:

• API Gravity = 52

• Concentrations of VOCs in soil-gas vapors have remained static throughout the quarter

• Runtime calculations based on hour meter readings from 06/26/24 to 09/24/24 and Cygnet telemetry data.



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Summary

System runtime during 3Q24 was 98.1% based on hour meter readings between 06/26/2024 and 09/24/24; Cygnet telemetry showed continuous operation, except for an SVE pump failure on 08/17/24. System maintenance included replacing the SVE pump motor on 8/19/24.

During 3Q24, no water and/or condensate were recovered during O&M events. Additionally, mass removal calculations indicated the following recovery during the quarter:

- 1.53 bbl of GRO
- 1.25 lbs of benzene
- 88.5 lbs of toluene
- 6.77 lbs of ethylbenzene
- 98.9 lbs of xylene.

Further Actions - 4th Quarter 2024

During 4Q24, the following activities are planned for the Site:

- Conduct bi-weekly Site O&M to ensure proper system function and drain any water/condensate accumulation in the moisture separator as needed
- Collect a quarterly soil-gas sample for laboratory analysis
- Prepare a 4Q24 status report.

If you have any questions regarding this report, please call us at (979) 324-2139.

Sincerely,

Timberwolf Environmental, LLC

Josh Swaringen Staff Scientist

for that

Jim Foster President

Attachments: Figures Attached Tables Photographic Log Laboratory Report and Chain-of-Custody Documents

cc: Mitch Killough, Hilcorp Energy Company



Figures



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Timberwolf Project No. HEC-190009











Attached Tables



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Timberwolf Project No. HEC-190009

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Table A-1. Operation and Maintenance EventsStatus Report - 3rd Quarter 2024Fifield 5 No. 1 (OCD Incident No. NVF1718155324)San Juan County, New Mexico

Date	Hour Meter (hrs)	Water/Condenstate Recovered (gal)	Maintenance Performed	
07/19/24	5,364	0	Brandon Sinclair with Hilcorp performed SVE system O&M checks.	
07/29/24	5,610	0	Brandon Sinclair with Hilcorp performed SVE system O&M checks.	
08/14/24	5,991	0	Brandon Sinclair with Hilcorp performed SVE system O&M checks.	
08/19/24			The motor was replaced by Hilcorp and SVE system was returned to online.	
08/27/24	6,258	0	Brandon Sinclair with Hilcorp performed SVE system O&M checks.	
09/10/24	6,597	0	Brandon Sinclair with Hilcorp performed SVE system O&M checks.	
09/24/24	6,933	0	Brandon Sinclair with Hilcorp performed SVE system O&M checks.	

Table A-2. Soil-Gas Analysis - 09/10/24 Status Report - 3rd Quarter 2024 Fifield 5 No. 1 (OCD Incident No. NVF1718155324) San Juan County, New Mexico

Constituents	SVE-1			
Volatiles (μg/m³)				
Acetone	< 20,000			
Benzene	24,000			
Bromodichloromethane	< 2,000			
Bromoform	< 2,000			
Bromomethane	< 6,000			
Carbon disulfide	< 20,000			
Carbon tetrachloride	< 2,000			
Chlorobenzene	< 2,000			
Chloroethane	< 4,000			
Chloroform	< 2,000			
Chloromethane	< 6,000			
2-Chlorotoluene	< 2,000			
Dibromochloromethane	< 2,000			
1,2-Dibromoethane	< 2,000			
1,2-Dichlorobenzene	< 2,000			
1,3-Dichlorobenzene	< 2,000			
1,4-Dichlorobenzene	< 2,000			
1,2-Dichloroethane	< 2,000			
1,1-Dichloroethane	< 2,000			
1,1-Dichloroethene	< 2,000			
cis-1,2-Dichloroethene (cis-1,2-DCE)	< 2,000			
trans-1,2-Dichloroethene (trans-1,2-DCE)	< 2,000			
1,2-Dichloropropane	< 2,000			
cis-1,3-Dichloropropene	< 2,000			
trans-1,3-Dichloropropene	< 2,000			
Ethylbenzene	13,000			
Trichlorofluoromethane	< 2,000			
Dichlorodifluoromethane	< 2,000			
Hexachloro-1,3-butadiene	< 2,000			
Isopropylbenzene	2,600			
Methylene Chloride	< 6,000			
n-Propylbenzene	3,000			
2-Butanone (MEK)	< 2,000			
4-Methyl-2-pentanone (MIBK)	< 20,000			
МТВЕ	< 2,000			
Naphthalene	< 4,000			

Table A-2. Soil-Gas Analysis - 09/10/24 Status Report - 3rd Quarter 2024 Fifield 5 No. 1 (OCD Incident No. NVF1718155324) San Juan County, New Mexico

Constituents	SVE-1			
Styrene	< 2,000			
1,1,2,2-Tetrachloroethane	< 2,000			
Toluene	170,000			
1,2,4-Trichlorobenzene	< 2,000			
1,1,1-Trichloroethane	< 2,000			
1,1,2-Trichloroethane	< 2,000			
1,2,4-Trimethylbenzene	14,000			
1,3,5-Trimethylbenzene	14,000			
Vinyl chloride	< 2,000			
Total Xylenes	190,000			
Gasoline Range (µg/m³)				
Gasoline Range Organics (GRO)	790,000			
Gases (Mol %)				
Oxygen	21.36			
Carbon Dioxide	0.09			
Methane	< 0.01			

 $\mu g/m^3 - micrograms \ per \ cubic \ meter$

Mol % – mole percent

Released to Imaging: 10/28/2024 10:06:58 AM

Photographic Log



.

Timberwolf Project No. HEC-190009



PHOTOGRAPHIC LOG

Project No.:	HEC-190009		Client:	Hilcorp Energy Company
Project Name:	Fifield 5 No. 1		Site Location:	San Juan County, New Mexico
Task Description:	Status Report -	- 3 rd Quarter 2024	Date:	July – September, 2024
Photo No.: 1 Direction:		DIRECTION 146 deg(T)		CCURACY 5 m ATUM WGS84
N/A				
Comments: View of hour meter on 06/26/24.		GAS TACH 2	Tinytach A HOURMETER	2024-06-26 :46:45-06:00
Photo No.: 2 Direction: N/A		DIRECTION 128 deg(T)	36.74982°N 108.01954°W	ACCURACY 4 m DATUM WGS84
Comments: View of hour meter on 07/19/24.		Service and a se	1 & HOURMETER	2024-07-19 12:39:28-06:00



PHOTOGRAPHIC LOG

Project No.:	HEC-190009		Client:	Hilcorp Energy Company
Project Name:	Fifield 5 No. 1		Site Location:	San Juan County, New Mexico
Task Description:	Status Report -	- 3 rd Quarter 2024	Date:	July – September, 2024
Photo No.: 3 Direction: N/A		DIRECTION 196 deg(T)		ACCURACY 5 m DATUM WGS84
Comments: View of hour meter on 07/29/24.		GAS TA	Tach CH & HOURMETER	2024-07-29 8:36:27-06:00
Photo No.: 4 Direction:		DIRECTION 147 deg(T)	36.74984°N 108.01957°W	ACCURACY 5 m DATUM WGS84
N/A Comments: View of hour meter on 08/14/24.		GAS TACH		2024-08-14 5:49:01-06:00



PHOTOGRAPHIC LOG

Project No.:	HEC-190009		Client:	Hilcorp Energy Company
Project Name:	Fifield 5 No. 1		Site Location:	San Juan County, New Mexico
Task Description:	Status Report -	- 3 rd Quarter 2024	Date:	July – September, 2024
Photo No.: 5 Direction: N/A		DIRECTION 180 deg(T)	36.74980°N 108.01960°W	ACCURACY 5 m DATUM WGS84
Comments: View of hour meter on 08/27/2024.		Carteria Series Gas Tak	CH & HOURMETER	2024-08-27 12:17:57-06:00
Photo No.: 6		DIRECTION 146 deg(T)	36.74982°N 108.01957°W	ACCURACY 4 m DATUM WGS84
Direction: N/A		1 Acres 10	21	
Comments: View of hour meter on 09/10/24.		e	SELECT Tiny Tach Tach & HOURMETER	2024-09-10 15:05:14-06:00



PHOTOGRAPHIC LOG

Project No.:	HEC-190009	Client:	Hilcorp Energy Company
Project Name:	Fifield 5 No. 1	Site Location:	San Juan County, New Mexico
Task Description:	Status Report – 3 rd Quarter 2024	Date:	July – September, 2024
Photo No.: 7	DIRECTION 169 deg(T)	36.74984°N	ACCURACY 5 m DATUM WGS84
Direction: N/A	and the second s	and a	and the second se
Comments: View of hour meter on 09/24/24.	GASTA	Ch & HOURMETER	2024-09-24 5:04:41-06:00
Photo No.:			
Direction: N/A			
Comments:			

Laboratory Report and Chain-of-Custody Documents



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Timberwolf Project No. HEC-190009

Received by OCD: 10/8/2024 3:53:44 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough Hilcorp Energy PO BOX 4700 Farmington, New Mexico 87499 Generated 10/4/2024 12:38:00 PM

JOB DESCRIPTION

Fifield 5 #1

JOB NUMBER

885-11589-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Juhille (parica

Generated 10/4/2024 12:38:00 PM

Authorized for release by Michelle Garcia, Project Manager michelle.garcia@et.eurofinsus.com (505)345-3975

Released to Imaging: 10/28/2024 10:06:58 AM

Laboratory Job ID: 885-11589-1

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Definitions/Glossary

Client: Hilcorp Energy Project/Site: Fifield 5 #1 Job ID: 885-11589-1

Glossary		 3
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	J
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	8
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	9
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Eurofins Albuquerque

Case Narrative

Job ID: 885-11589-1

Job ID: 885-11589-1

Eurofins Albuquerque

Job Narrative 885-11589-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 9/11/2024 7:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 20.5°C.

Subcontract Work

Method Fixed Gases: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

Gasoline Range Organics

Method 8015D_GRO_MS: Surrogate 4-BFB for GRO [C6-C10] recovery for the following sample was outside control limits: (CCV 885-12872/2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 885-11589-1

Lab Sample ID: 885-11589-1

Matrix: Air

5

Client Sample ID: SVE-1 Date Collected: 09/10/ 24 45.00 Date Received: 09/11

Client: Hilcorp Energy

Project/Site: Fifield 5 #1

Date Collected: 09/10/24 15:00
Date Received: 09/11/24 07:30
Sample Container: Tedlar Bag 1L

Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
790		10	ug/L			09/23/24 18:18	
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
99		52 - 172		-		09/23/24 18:18	
	Qualifier			D	Prepared		Dil Fa
			-				
			-				
ND		2.0					
ND		2.0	ug/L			09/24/24 12:20	
ND		2.0	ug/L			09/24/24 12:20	
ND		4.0	ug/L			09/24/24 12:20	
ND		2.0	ug/L			09/24/24 12:20	
14		2.0	ug/L			09/24/24 12:20	
ND		4.0	ug/L			09/24/24 12:20	
ND		2.0	ug/L			09/24/24 12:20	
ND		2.0	ug/L			09/24/24 12:20	
ND		2.0	ug/L			09/24/24 12:20	
ND		2.0	ug/L			09/24/24 12:20	
14		2.0	ug/L			09/24/24 12:20	
ND		2.0	ug/L			09/24/24 12:20	
ND		2.0	ug/L			09/24/24 12:20	
ND		2.0				09/24/24 12:20	
ND		8.0				09/24/24 12:20	
ND			.			09/24/24 12:20	
			.				
ND			ug/L			09/24/24 12:20	
ND		2.0	ug/L			09/24/24 12:20	
ND		4.0	ug/L			09/24/24 12:20	
	790 %Recovery 99 Organic Comp Result ND	%Recovery Qualifier 99 Organic Compounds (GC/ Result Qualifier ND ND ND	790 10 %Recovery Qualifier Limits 99 52-172 Organic Compounds (GC/MS) Result Qualifier RL ND 2.0 ND 2.0 ND 2.0 ND	790 10 ug/L %Recovery Qualifier Limits 99 52.172 Organic Compounds (GC/MS) Result Qualifier RL Unit ND 2.0 ug/L ND 10 ug/L ND 2.0 ug/L ND 14 10 ug/L ND 2.0 ug/L ND 2.0 ug/L ND 14 2.0 ug/L ND 2.0 ug/L ND 2.0 ug/L ND 2.0 ug/L ND 2.0 ug/L ND 2.0 ug/L ND 2.0	790 10 ug/L %Recovery 99 Qualifier 52.172 Limits 52.172 Organic Compounds (GC/MS) Unit D Result Qualifier RL Unit D ND 2.0 ug/L ND ND 2.0 ug/L D ND 2.0 ug/L D ND 2.0 ug/L ND ND 2.0 ug/L ND 2	790 10 ug/L - ''''''''''''''''''''''''''''''''''''	780 10 ug/L 09/23/24 18:18 SiRecovery Qualifier Limits Prepared Analyzed 99 52-172 09/23/24 18:18 09/23/24 18:18 Organic Compounds (GC/MS) Unit D Prepared Analyzed ND 2.0 ug/L 09/24/24 12:20 09/24/24 12:20 ND 2.0 ug/L 09/24/24 12:20 <td< td=""></td<>

Eurofins Albuquerque

Job ID: 885-11589-1

Lab Sample ID: 885-11589-1

Matrix: Air

Date Collected: 09/10/24 15:00 Date Received: 09/11/24 07:30 Sample Container: Tedlar Bag 1L

Dibromofluoromethane (Surr)

Client Sample ID: SVE-1

Client: Hilcorp Energy

Project/Site: Fifield 5 #1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		6.0	ug/L			09/24/24 12:20	2
cis-1,2-Dichloroethene	ND		2.0	ug/L			09/24/24 12:20	2
cis-1,3-Dichloropropene	ND		2.0	ug/L			09/24/24 12:20	2
Dibromomethane	ND		2.0	ug/L			09/24/24 12:20	2
Dichlorodifluoromethane	ND		2.0	ug/L			09/24/24 12:20	2
Ethylbenzene	13		2.0	ug/L			09/24/24 12:20	2
Hexachlorobutadiene	ND		2.0	ug/L			09/24/24 12:20	2
Isopropylbenzene	2.6		2.0	ug/L			09/24/24 12:20	2
Methyl-tert-butyl Ether (MTBE)	ND		2.0	ug/L			09/24/24 12:20	2
Methylene Chloride	ND		6.0	ug/L			09/24/24 12:20	2
n-Butylbenzene	ND		6.0	ug/L			09/24/24 12:20	2
N-Propylbenzene	3.0		2.0	ug/L			09/24/24 12:20	2
Naphthalene	ND		4.0	ug/L			09/24/24 12:20	2
sec-Butylbenzene	ND		2.0	ug/L			09/24/24 12:20	2
Styrene	ND		2.0	ug/L			09/24/24 12:20	2
tert-Butylbenzene	ND		2.0	ug/L			09/24/24 12:20	2
Tetrachloroethene (PCE)	ND		2.0	ug/L			09/24/24 12:20	2
Toluene	170		2.0	ug/L			09/24/24 12:20	2
trans-1,2-Dichloroethene	ND		2.0	ug/L			09/24/24 12:20	2
trans-1,3-Dichloropropene	ND		2.0	ug/L			09/24/24 12:20	2
Trichloroethene (TCE)	ND		2.0	ug/L			09/24/24 12:20	2
Trichlorofluoromethane	ND		2.0	ug/L			09/24/24 12:20	2
Vinyl chloride	ND		2.0	ug/L			09/24/24 12:20	2
Xylenes, Total	190		3.0	ug/L			09/24/24 12:20	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		70 - 130		=		09/24/24 12:20	2
Toluene-d8 (Surr)	130		70 - 130				09/24/24 12:20	2
4-Bromofluorobenzene (Surr)	110		70 - 130				09/24/24 12:20	2

70 - 130

93

10 11 12

5

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09/24/24 12:20

2

Released to Imaging: 10/28/2024 10:06:58 AM

Job ID: 885-11589-1

Client: Hilcorp Energy Project/Site: Fifield 5 #1

Method: 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Lab Sample ID: MB 885-12872/4									Client S	ample ID: Metho	d Blank
Matrix: Air										Prep Type: 7	Fotal/NA
Analysis Batch: 12872											
		AB MB									
Analyte	Res	ult Qualifier	· RL		Unit		D	Pi	repared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	-	ND	5.0		ug/L					09/23/24 14:03	1
	I	MB MB									
Surrogate	%Recove	ery Qualifie	r Limits					PI	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		85	52 - 172				_			09/23/24 14:03	1
- Lab Sample ID: LCS 885-12872/3							Cli	ent	Sample	ID: Lab Control	Sample
Matrix: Air										Prep Type: ⁻	
Analysis Batch: 12872											
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Gasoline Range Organics [C6 -			4250	4340		ug/L		_	102	70 - 130	
C10]											
	LCS L	cs									
Surrogate	%Recovery 0	Qualifier	Limits								

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-12855/1005			Client S	ample ID: Metho			
Matrix: Air						Prep Type: 1	Iotal/NA
Analysis Batch: 12855		MD					
Australia	MB			11	D. Durand	A	D!!
Analyte		Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L		09/24/24 11:55	1
1,1,1-Trichloroethane	ND		1.0	ug/L		09/24/24 11:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L		09/24/24 11:55	1
1,1,2-Trichloroethane	ND		1.0	ug/L		09/24/24 11:55	1
1,1-Dichloroethane	ND		1.0	ug/L		09/24/24 11:55	1
1,1-Dichloroethene	ND		1.0	ug/L		09/24/24 11:55	1
1,1-Dichloropropene	ND		1.0	ug/L		09/24/24 11:55	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L		09/24/24 11:55	1
1,2,3-Trichloropropane	ND		2.0	ug/L		09/24/24 11:55	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L		09/24/24 11:55	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L		09/24/24 11:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L		09/24/24 11:55	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L		09/24/24 11:55	1
1,2-Dichlorobenzene	ND		1.0	ug/L		09/24/24 11:55	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L		09/24/24 11:55	1
1,2-Dichloropropane	ND		1.0	ug/L		09/24/24 11:55	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L		09/24/24 11:55	1
1,3-Dichlorobenzene	ND		1.0	ug/L		09/24/24 11:55	1
1,3-Dichloropropane	ND		1.0	ug/L		09/24/24 11:55	1
1,4-Dichlorobenzene	ND		1.0	ug/L		09/24/24 11:55	1
1-Methylnaphthalene	ND		4.0	ug/L		09/24/24 11:55	1
2,2-Dichloropropane	ND		2.0	ug/L		09/24/24 11:55	1
2-Butanone	ND		10	ug/L		09/24/24 11:55	1
2-Chlorotoluene	ND		1.0	ug/L		09/24/24 11:55	1
2-Hexanone	ND		10	ug/L		09/24/24 11:55	

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Released to Imaging: 10/28/2024 10:06:58 AM

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-12855/1005

Matrix: Air Analysis Batch: 12855

Mayle Result Quartifer Rt. Unit D Prepared Analyzed DIF Sec 2.Methynapsthulene ND 4.0 ugl. 097424 1155 1 4.logrophulune ND 10 ugl. 092424 1155 1 4.dorps/publicine ND 10 ugl. 092424 1155 1 Anatione ND 10 ugl. 092424 1155 1 Bernone ND 10 ugl. 092424 1155 1 Bernone ND 10 ugl. 092424 1155 1 Bernone/mare ND 10 ugl. 092424 1155 1 Bernone/mare ND 10 ugl. 092424 1155 1 Cathor disafilion	Analysis Batch: 12855	МР	MD					
2.Methypapthalame ND 4.0 upil. 092/24/21155 1 4.Chlorotoluono ND 1.0 upil. 092/24/21155 1 4.Methy2-pertanone ND 1.0 upil. 092/24/21155 1 4.Methy2-pertanone ND 10 upil. 092/24/21155 1 Benzene ND 1.0 upil. 092/24/21155 1 Benzene ND 1.0 upil. 092/24/21155 1 Benzene ND 1.0 upil. 092/24/21155 1 Benzene/Internetime ND 1.0 upil. 092/24/21155 1 Benzene/Internetime ND 1.0 upil. 092/24/21155 1 Benzene/Internetime ND 1.0 upil. 092/24/21155 1 Carbon disulfie ND 1.0 upil. 092/24/21155 1 Carbon disulfie ND 1.0 upil. 092/24/21155 1 Carbon disulfie ND	Analyte			RL	Unit	D Prepared	Analyzed	Dil Fac
4-Charothyme ND 1.0 upL 0924241155 1 44sopropyllohene ND 1.0 upL 0924241155 1 Acton ND 1.0 upL 0924241155 1 Acton ND 1.0 upL 0924241155 1 Bronoberone ND 1.0 upL 0924241155 1 Bronoberone ND 1.0 upL 0924241155 1 Bronoberoneshare ND 1.0 upL 0924241155 1 Bronoberoneshare ND 1.0 upL 0924241155 1 Bronoberoneshare ND 1.0 upL 0924241155 1 Carbon tetrachorde ND 1.0 upL 0924241155 1 Carbon tetrachorde ND 1.0 upL 0924241155 1 Carbon tetrachorde ND 1.0 upL 0924241155 1 Charbon tetrachorde ND 1.0 upL 0924241155								
4-lagorgyvaluene ND 1.0 ugl 002/24/1155 1 4-Methyl-2 pentanone ND 10 ugl 002/24/1155 1 Anatone ND 1.0 ugl 002/24/1155 1 Benzone ND 1.0 ugl 002/24/1155 1 Benzoneknesne ND 1.0 ugl 002/24/1155 1 Bromochchoromethane ND 1.0 ugl 002/24/1155 1 Bromochchoromethane ND 1.0 ugl 002/24/1155 1 Bromochchoromethane ND 3.0 ugl 002/24/1155 1 Bromochromethane ND 1.0 ugl 002/24/1155 1 Cathon diadifide ND 1.0 u		ND		1.0	-		09/24/24 11:55	1
Addity-2partanone ND 10 ugL 002/424 11:55 1 Acetone ND 1.0 ugL 002/424 11:55 1 Bronzene ND 1.0 ugL 002/424 11:55 1 Bronzenethane ND 1.0 ugL 002/424 11:55 1 Carbon disufide ND 1.0 ugL 002/424 11:55 1 Carbon disufide ND 0.0 ugL 002/424 11:55 1 Chicorbanane ND 2.0 ugL 002/424 11:55 1 Chicorbanane ND 1.0 ugL 002/424 11:55 1 Chicorbana ND 1.0 ugL 002/424 11:55 1 Chicorbana ND 1.0 ugL 002/424 11:55	4-Isopropyltoluene	ND		1.0			09/24/24 11:55	1
Acetone ND 10 upL 0924/24 11:55 1 Benzone ND 1.0 upL 0924/24 11:55 1 Bromobenzene ND 3.0 upL 0924/24 11:55 1 Bromobenzene ND 3.0 upL 0924/24 11:55 1 Carbon disulfale ND 1.0 upL 0924/24 11:55 1 Carbon disulfale ND 1.0 upL 0924/24 11:55 1 Chiorostenane ND 1.0 upL <t< td=""><td></td><td>ND</td><td></td><td>10</td><td></td><td></td><td></td><td>1</td></t<>		ND		10				1
Barcane ND 1.0 ugl. 002/4/24 11:55 1 Bromodbchromethane ND 1.0 ugl. 009/24/24 11:55 1 Bromodbchromethane ND 1.0 ugl. 009/24/24 11:55 1 Bromoderhomethane ND 1.0 ugl. 009/24/24 11:55 1 Bromoderhomethane ND 1.0 ugl. 009/24/24 11:55 1 Carbon disatifié ND 1.0 ugl. 009/24/24 11:55 1 Carbon disatifié ND 1.0 ugl. 009/24/24 11:55 1 Chicrobhane ND 1.0 ugl. 009/24/24 11:55 1 Dibromomethane ND </td <td></td> <td>ND</td> <td></td> <td>10</td> <td></td> <td></td> <td>09/24/24 11:55</td> <td>1</td>		ND		10			09/24/24 11:55	1
Bromochonzone ND 1.0 ugL 09/24/24 11:55 1 Bromochi/oromethane ND 1.0 ugL 09/24/24 11:55 1 Bromochi/oromethane ND 1.0 ugL 09/24/24 11:55 1 Bromochi/oromethane ND 3.0 ugL 09/24/24 11:55 1 Carbon destantionide ND 1.0 ugL 09/24/24 11:55 1 Carbon destantionide ND 1.0 ugL 09/24/24 11:55 1 Carbon destantionide ND 1.0 ugL 09/24/24 11:55 1 Chorobertene ND 1.0 ugL 09/24/24 11:55 1 Detromochinomethane ND 1.0 ugL 09/24/24 11:55 1 Detromochinoromethane	Benzene	ND		1.0			09/24/24 11:55	1
Bromodichloromethane ND 1.0 up(L 09/24/24 11:55 1 Dibromochloromethane ND 1.0 up(L 09/24/24 11:55 1 Bromoform ND 3.0 up(L 09/24/24 11:55 1 Carbon disrifiche ND 1.0 up(L 09/24/24 11:55 1 Carbon disrifiche ND 1.0 up(L 09/24/24 11:55 1 Chorobharane ND 1.0 up(L 09/24/24 11:55 1 Dichorobharane ND 1.0 up(L 09/24/24 11:55 1 Dichorobharane ND 1.0 up(L 09/24/24 11:55 1 Dichorobharane ND	Bromobenzene	ND		1.0			09/24/24 11:55	1
Dbromochhoromethane ND 10 ugL 09/24/24 11:55 1 Brannoform ND 1.0 ugL 09/24/24 11:55 1 Brannoform ND 3.0 ugL 09/24/24 11:55 1 Carbon tetrachloride ND 10 ugL 09/24/24 11:55 1 Carbon tetrachloride ND 1.0 ugL 09/24/24 11:55 1 Chiorobenzene ND 2.0 ugL 09/24/24 11:55 1 Chiorobenzene ND 3.0 ugL 09/24/24 11:55 1 Chiorobenzene ND 1.0 ugL 09/24/24 11:55 1 Chiorobenzene ND 1.0 ugL 09/24/24 11:55 1 Chioromethane ND 1.0 ugL 09/24/24 11:55 1 Dichorofituoronethane ND 1.0 ugL 09/24/24 11:55 1 Dichorofituoronethane ND 1.0 ugL 09/24/24 11:55 1 Burdhorobulatiene ND </td <td>Bromodichloromethane</td> <td>ND</td> <td></td> <td>1.0</td> <td></td> <td></td> <td>09/24/24 11:55</td> <td>1</td>	Bromodichloromethane	ND		1.0			09/24/24 11:55	1
Bromomethane ND 1.0 ug/L 09/24/24 11:55 1 Bromomethane ND 3.0 ug/L 09/24/24 11:55 1 Carbon disulfide ND 1.0 ug/L 09/24/24 11:55 1 Carbon disulfide ND 1.0 ug/L 09/24/24 11:55 1 Chorothane ND 2.0 ug/L 09/24/24 11:55 1 Chorothane ND 3.0 ug/L 09/24/24 11:55 1 Chorothane ND 3.0 ug/L 09/24/24 11:55 1 Chorothane ND 1.0 ug/L 09/24/24 11:55 1 Cat-1.3 Dichtoropropere ND 1.0 ug/L 09/24/24 11:55 1 Dichtorodifluoromethane	Dibromochloromethane	ND		1.0			09/24/24 11:55	1
Bromomethane ND 3.0 ugt 00/24/24 11:55 1 Carton disulfide ND 10 ugl. 00/24/24 11:55 1 Charon terathinide ND 1.0 ugl. 00/24/24 11:55 1 Chioroberzene ND 2.0 ugl. 00/24/24 11:55 1 Chioroberzene ND 3.0 ugl. 00/24/24 11:55 1 Chioroberne ND 3.0 ugl. 00/24/24 11:55 1 Chioroberne ND 3.0 ugl. 00/24/24 11:55 1 Chioroberne ND 1.0 ugl. 00/24/24 11:55 1 Chioroberne ND 1.0 ugl. 00/24/24 11:55 1 Dibromomethane ND 1.0 ugl. 00/24/24 11:55 1 Ethylbenzene ND 1.0 ugl. 00/24/24 11:55 1 Hexachorobutadiene ND 1.0 ugl. 00/24/24 11:55 1 Ibeoprophonzene ND	Bromoform	ND		1.0	ug/L		09/24/24 11:55	1
Carbon tetrachloride ND 1.0 ug/L 09/24/24 11:55 1 Chiorobarzane ND 1.0 ug/L 09/24/24 11:55 1 Chiorobarzane ND 2.0 ug/L 09/24/24 11:55 1 Chiorobare ND 3.0 ug/L 09/24/24 11:55 1 Chiorobare ND 3.0 ug/L 09/24/24 11:55 1 Chiorobare ND 1.0 ug/L 09/24/24 11:55 1 dis-1.2-Dichiorothene ND 1.0 ug/L 09/24/24 11:55 1 Dibrondmitoromethane ND 1.0 ug/L 09/24/24 11:55 1 Ethylenzene ND 1.0 ug/L 09/24/24 11:55 1 Dibrondmitoromethane ND 1.0 ug/L 09/24/24 11:55 1 Ethylenzene ND 1.0 ug/L 09/24/24 11:55 1 Dibrondmitoromethane ND 1.0 ug/L 09/24/24 11:55 1 Dibrondmitoromethane	Bromomethane	ND		3.0			09/24/24 11:55	1
Carbon tetrachloride ND 1.0 ugL 0924/24 11:55 1 Chiroberzene ND 1.0 ugL 0924/24 11:55 1 Chiroberzene ND 2.0 ugL 0924/24 11:55 1 Chiroberthane ND 3.0 ugL 0924/24 11:55 1 Chiroberthane ND 1.0 ugL 0924/24 11:55 1 Cist-3.2Dichiropropene ND 1.0 ugL 0924/24 11:55 1 Dibromomethane ND 1.0 ugL 0924/24 11:55 1 Dibromomethane ND 1.0 ugL 0924/24 11:55 1 Dibromomethane ND 1.0 ugL 0924/24 11:55 1 EthytBonzene ND 1.0 ugL 0924/24 11:55 1 Hexachtorbutatione ND 1.0 ugL 0924/24 11:55 1 Isportplenzene ND 1.0 ugL 0924/24 11:55 1 N=Potyberzene ND 1.0 <td>Carbon disulfide</td> <td>ND</td> <td></td> <td>10</td> <td>ug/L</td> <td></td> <td>09/24/24 11:55</td> <td>1</td>	Carbon disulfide	ND		10	ug/L		09/24/24 11:55	1
Chlorothane ND 2.0 ugl. 09/24/24 11:55 1 Chloroform ND 1.0 ugl. 09/24/24 11:55 1 Chlorothane ND 1.0 ugl. 09/24/24 11:55 1 cis-1,2-Dichlorothene ND 1.0 ugl. 09/24/24 11:55 1 cis-1,3-Dichlorothene ND 1.0 ugl. 09/24/24 11:55 1 Dibrondifuoromethane ND 1.0 ugl. 09/24/24 11:55 1 Dibrondifuoromethane ND 1.0 ugl. 09/24/24 11:55 1 Ethylbenzene ND 1.0 ugl. 09/24/24 11:55 1 Ethylbenzene ND 1.0 ugl. 09/24/24 11:55 1 Methylaer.bulylether ND 1.0 ugl. 09/24/24 11:55 1 Storopylbenzene ND 1.0 ugl. 09/24/24 11:55 1 NP-thylpenzene ND 1.0 ugl. 09/24/24 11:55 1 N-Propylbenzene	Carbon tetrachloride	ND		1.0			09/24/24 11:55	1
Ohloroform ND 1.0 ug/L 09/24/24 11:55 1 Chloromethane ND 3.0 ug/L 09/24/24 11:55 1 cis-1,2-Dichlorosehne ND 1.0 ug/L 09/24/24 11:55 1 cis-1,3-Dichlorosehne ND 1.0 ug/L 09/24/24 11:55 1 Dibromomethane ND 1.0 ug/L 09/24/24 11:55 1 Dibromomethane ND 1.0 ug/L 09/24/24 11:55 1 Lithorodifluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Hertylsterbuty Ether (MTBE) ND 1.0 ug/L 09/24/24 11:55 1 N=butylbenzene ND 3.0 ug/L 09/24/24 11:55 1 N=butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Syrene <td>Chlorobenzene</td> <td>ND</td> <td></td> <td>1.0</td> <td></td> <td></td> <td>09/24/24 11:55</td> <td>1</td>	Chlorobenzene	ND		1.0			09/24/24 11:55	1
Chloromethane ND 3.0 ug/L 09/24/24 11:55 1 cls-1.2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 cls-1.3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Dichoromethane ND 1.0 ug/L 09/24/24 11:55 1 Dichoromethane ND 1.0 ug/L 09/24/24 11:55 1 Ethylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Hexachlorobutadiene ND 1.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Hexachlorobutadiene ND 3.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 3.0 ug/L 09/24/24 11:55 1 n-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 sec-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Styrene	Chloroethane	ND		2.0	ug/L		09/24/24 11:55	1
cis-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 Lis-1,3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Dibromomethane ND 1.0 ug/L 09/24/24 11:55 1 Ethylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Ethylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Hexachlorobutadiene ND 1.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Methyl-ter-touly [ther (MTBE) ND 3.0 ug/L 09/24/24 11:55 1 N=Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 N=prophylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Naphthalene ND 1.0 ug/L 09/24/24 11:55 1 Styren	Chloroform	ND		1.0	ug/L		09/24/24 11:55	1
cis-1,3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Dibrommethane ND 1.0 ug/L 09/24/24 11:55 1 Dichlorodifluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Ethylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Isopropybenzene ND 1.0 ug/L 09/24/24 11:55 1 Isopropybenzene ND 1.0 ug/L 09/24/24 11:55 1 Methyl-terbuly Ether (MTBE) ND 1.0 ug/L 09/24/24 11:55 1 Methyl-terbuly Ether (MTBE) ND 3.0 ug/L 09/24/24 11:55 1 N-Propybenzene ND 3.0 ug/L 09/24/24 11:55 1 N-Propybenzene ND 2.0 ug/L 09/24/24 11:55 1 N-Propybenzene ND 1.0 ug/L 09/24/24 11:55 1 Strene ND 1.0 ug/L 09/24/24 11:55 1 Strene </td <td>Chloromethane</td> <td>ND</td> <td></td> <td>3.0</td> <td>ug/L</td> <td></td> <td>09/24/24 11:55</td> <td>1</td>	Chloromethane	ND		3.0	ug/L		09/24/24 11:55	1
cis-1.3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Dibrommethane ND 1.0 ug/L 09/24/24 11:55 1 Dichlorodifluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Ethylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Isoprophenzene ND 1.0 ug/L 09/24/24 11:55 1 Isoprophenzene ND 1.0 ug/L 09/24/24 11:55 1 Methyl-ter-bulyl Ether (MTBE) ND 1.0 ug/L 09/24/24 11:55 1 Methyl-ter-bulyl Ether (MTBE) ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 2.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 2.0 ug/L 09/24/24 11:55 1 Syrene ND 1.0 ug/L 09/24/24 11:55 1 Syrene ND 1.0 ug/L 09/24/24 11:55 1 Tetrachloroe	cis-1,2-Dichloroethene	ND		1.0	ug/L		09/24/24 11:55	1
Dichlorodifluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Ethylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Hexachlorobutadiene ND 1.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Methyl-tert-bulyl Ether (MTBE) ND 1.0 ug/L 09/24/24 11:55 1 Methyl-tert-bulyl Ether (MTBE) ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 2.0 ug/L 09/24/24 11:55 1 sec-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 sec-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 styrene ND 1.0 ug/L 09/24/24 11:55 1 Tolarene ND 1.0 ug/L 09/24/24 11:55 1 tard	cis-1,3-Dichloropropene	ND		1.0			09/24/24 11:55	1
Ethylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Hexachlorobutadiene ND 1.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Methyler Chorde ND 1.0 ug/L 09/24/24 11:55 1 Methyler Chorde ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Naphthatene ND 1.0 ug/L 09/24/24 11:55 1 Styrene ND 1.0 ug/L 09/24/24 11:55 1 Itaras-1,2-Dichloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 Itaras-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 Itaras-1,2-Dich	Dibromomethane	ND		1.0	ug/L		09/24/24 11:55	1
Hexachlorobutadiene ND 1.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Methyl-ter-butyl Ether (MTBE) ND 1.0 ug/L 09/24/24 11:55 1 Methylene Chloride ND 3.0 ug/L 09/24/24 11:55 1 N-Butylbenzene ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 sc-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 styrene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbe	Dichlorodifluoromethane	ND		1.0	ug/L		09/24/24 11:55	1
Hexachlorobutadiene ND 1.0 ug/L 09/24/24 11:55 1 Isopropylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Methyl-tert-butyl Ether (MTBE) ND 1.0 ug/L 09/24/24 11:55 1 Methylene Chloride ND 3.0 ug/L 09/24/24 11:55 1 N-Butylbenzene ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Naphthalene ND 2.0 ug/L 09/24/24 11:55 1 sec-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 styrene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenz	Ethylbenzene	ND		1.0			09/24/24 11:55	1
Methyl-tert-butyl Ether (MTBE) ND 1.0 ug/L 09/24/24 11:55 1 Methylene Chloride ND 3.0 ug/L 09/24/24 11:55 1 n-Butylbenzene ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Naphthalene ND 2.0 ug/L 09/24/24 11:55 1 Styrene ND 1.0 ug/L 09/24/24 11:55 1 sec-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 styrene ND 1.0 ug/L 09/24/24 11:55 1 trans-12-Dichloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 trans-12-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-12-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-13-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1	Hexachlorobutadiene	ND		1.0			09/24/24 11:55	1
Methylene Chloride ND 3.0 ug/L 09/24/24 11:55 1 n-Butylbenzene ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Naphthalene ND 2.0 ug/L 09/24/24 11:55 1 Styrene ND 1.0 ug/L 09/24/24 11:55 1 Styrene ND 1.0 ug/L 09/24/24 11:55 1 Tetr-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Tetrachloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 Toluene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloropopene ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl cholride	Isopropylbenzene	ND		1.0	ug/L		09/24/24 11:55	1
n-Butylbenzene ND 3.0 ug/L 09/24/24 11:55 1 N-Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Naphthalene ND 2.0 ug/L 09/24/24 11:55 1 sec-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Styrene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Tetrachloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Trichloroffuoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vin	Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L		09/24/24 11:55	1
N-Propylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Naphthalene ND 2.0 ug/L 09/24/24 11:55 1 sec-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Styrene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Tetrachloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 Toluene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Trichloroeflueroethene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1	Methylene Chloride	ND		3.0	ug/L		09/24/24 11:55	1
Naphthalene ND 2.0 ug/L 09/24/24 11:55 1 sec-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Styrene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Tetrachloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 Toluene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloroopthene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloroopthene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1	n-Butylbenzene	ND		3.0	ug/L		09/24/24 11:55	1
sec-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Styrene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Tetrachloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 Toluene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloroothene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloroothene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 <td< td=""><td>N-Propylbenzene</td><td>ND</td><td></td><td>1.0</td><td>ug/L</td><td></td><td>09/24/24 11:55</td><td>1</td></td<>	N-Propylbenzene	ND		1.0	ug/L		09/24/24 11:55	1
Styrene ND 1.0 ug/L 09/24/24 11:55 1 tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Tetrachloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 Toluene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl choride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 MB MB Itsis 1.5 09/24/24 11:55 1 Toluene-d8 (Surr) 97 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr)	Naphthalene	ND		2.0	ug/L		09/24/24 11:55	1
tert-Butylbenzene ND 1.0 ug/L 09/24/24 11:55 1 Tetrachloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 Toluene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 1_2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 1_	sec-Butylbenzene	ND		1.0	ug/L		09/24/24 11:55	1
Tetrachloroethene (PCE) ND 1.0 ug/L 09/24/24 11:55 1 Toluene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloroptopene ND 1.0 ug/L 09/24/24 11:55 1 Trichloroethene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichloroethene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.0 ug/L 09/24/24 11:55 1 B MB B B B B Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 70-130 09/24/24 11:55 1 70/uene-d8 (Surr) 98 70-130 09/24/24 11:55 1	Styrene	ND		1.0	ug/L		09/24/24 11:55	1
Toluene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloroptopene ND 1.0 ug/L 09/24/24 11:55 1 Trichloroethene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichloroethene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 Toluene-d8 (Surr) 97 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene	tert-Butylbenzene	ND		1.0	ug/L		09/24/24 11:55	1
trans-1,2-Dichloroethene ND 1.0 ug/L 09/24/24 11:55 1 trans-1,3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Trichloroethene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichloroethene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 Surrogate <u>%Recovery</u> Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 Toluene-d8 (Surr) 98 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	Tetrachloroethene (PCE)	ND		1.0	ug/L		09/24/24 11:55	1
trans-1,3-Dichloropropene ND 1.0 ug/L 09/24/24 11:55 1 Trichloroethene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 MB MB MB 1.5 ug/L 09/24/24 11:55 1 Toluene-d8 (Surr) 97 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	Toluene	ND		1.0	ug/L		09/24/24 11:55	1
Trichloroethene (TCE) ND 1.0 ug/L 09/24/24 11:55 1 Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 MB MB MB Vinyl chloroethane-d4 (Surr) Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	trans-1,2-Dichloroethene	ND		1.0	ug/L		09/24/24 11:55	1
Trichlorofluoromethane ND 1.0 ug/L 09/24/24 11:55 1 Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 MB MB MB Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 Toluene-d8 (Surr) 98 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	trans-1,3-Dichloropropene	ND		1.0	ug/L		09/24/24 11:55	1
Vinyl chloride ND 1.0 ug/L 09/24/24 11:55 1 Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 MB MB MB Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 Toluene-d8 (Surr) 98 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	Trichloroethene (TCE)	ND		1.0	ug/L		09/24/24 11:55	1
Xylenes, Total ND 1.5 ug/L 09/24/24 11:55 1 MB MB MB Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 Toluene-d8 (Surr) 98 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	Trichlorofluoromethane	ND		1.0	ug/L		09/24/24 11:55	1
MB MB Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 Toluene-d8 (Surr) 98 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	Vinyl chloride	ND		1.0	ug/L		09/24/24 11:55	1
Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 Toluene-d8 (Surr) 98 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	Xylenes, Total	ND		1.5	ug/L		09/24/24 11:55	1
Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 Toluene-d8 (Surr) 98 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1		MB	MR					
1,2-Dichloroethane-d4 (Surr) 97 70 - 130 09/24/24 11:55 1 Toluene-d8 (Surr) 98 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	Surrogate			Limits		Prepared	Analyzed	Dil Far
Toluene-d8 (Surr) 98 70 - 130 09/24/24 11:55 1 4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1	-							
4-Bromofluorobenzene (Surr) 91 70 - 130 09/24/24 11:55 1								-
								1

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Client Sample ID: Method Blank

Prep Type: Total/NA

Page 30 of 48

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1.0

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Prepared

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

MB MB Result Qua

ND

Qualifier

Lab Sample ID: MB 885-12855/5

Matrix: Air Analysis Batch: 12855

1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

1.1.1-Trichloroethane

1,1,2-Trichloroethane

1.1-Dichloroethane

1,1-Dichloroethene

1,1-Dichloropropene

1,2,3-Trichlorobenzene

1,2,3-Trichloropropane

1,2,4-Trichlorobenzene

1,2,4-Trimethylbenzene

1,2-Dibromoethane (EDB)

1,2-Dichloroethane (EDC)

1,2-Dichlorobenzene

1,2-Dichloropropane

1.3-Dichlorobenzene

1,3-Dichloropropane

1,4-Dichlorobenzene

1-Methylnaphthalene

2,2-Dichloropropane

2-Methylnaphthalene

2-Butanone

2-Hexanone

Acetone

Benzene

Bromoform

Bromomethane

Carbon disulfide

Chlorobenzene

Chloroethane

Chloromethane

Dibromomethane

Ethylbenzene

cis-1,2-Dichloroethene

cis-1,3-Dichloropropene

Dichlorodifluoromethane

Hexachlorobutadiene

Chloroform

Carbon tetrachloride

Bromobenzene

2-Chlorotoluene

4-Chlorotoluene

4-Isopropyltoluene

4-Methyl-2-pentanone

Bromodichloromethane

Dibromochloromethane

1,3,5-Trimethylbenzene

1,2-Dibromo-3-Chloropropane

Analyte

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Job ID: 885-11589-1

Client Sample ID: Method Blank Prep Type: Total/NA

Analyzed

09/24/24 11:55

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Eurofins Albuquerque

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Client: Hilcorp Energy Project/Site: Fifield 5 #1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-12855/5

Matrix: Air Analysis Batch: 12855

	MB	МВ						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	ug/L			09/24/24 11:55	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			09/24/24 11:55	1
Methylene Chloride	ND		3.0	ug/L			09/24/24 11:55	1
n-Butylbenzene	ND		3.0	ug/L			09/24/24 11:55	1
N-Propylbenzene	ND		1.0	ug/L			09/24/24 11:55	1
Naphthalene	ND		2.0	ug/L			09/24/24 11:55	1
sec-Butylbenzene	ND		1.0	ug/L			09/24/24 11:55	1
Styrene	ND		1.0	ug/L			09/24/24 11:55	1
tert-Butylbenzene	ND		1.0	ug/L			09/24/24 11:55	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			09/24/24 11:55	1
Toluene	ND		1.0	ug/L			09/24/24 11:55	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			09/24/24 11:55	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			09/24/24 11:55	1
Trichloroethene (TCE)	ND		1.0	ug/L			09/24/24 11:55	1
Trichlorofluoromethane	ND		1.0	ug/L			09/24/24 11:55	1
Vinyl chloride	ND		1.0	ug/L			09/24/24 11:55	1
Xylenes, Total	ND		1.5	ug/L			09/24/24 11:55	1
	MB	MB						

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Job ID: 885-11589-1

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	МВ	мв					
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		09/24/24 11:55	1	
Toluene-d8 (Surr)	98		70 - 130		09/24/24 11:55	1	
4-Bromofluorobenzene (Surr)	91		70 _ 130		09/24/24 11:55	1	
Dibromofluoromethane (Surr)	102		70 - 130		09/24/24 11:55	1	

Lab Sample ID: LCS 885-12855/4 Matrix: Air Analysis Batch: 12855

-	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	20.1	21.7		ug/L		108	70 - 130
Benzene	20.1	23.2		ug/L		115	70 - 130
Chlorobenzene	20.1	20.5		ug/L		102	70 - 130
Toluene	20.2	20.8		ug/L		103	70 - 130
Trichloroethene (TCE)	20.2	21.5		ug/L		107	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
Toluene-d8 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130

Lab Sample ID: 885-11589-1 DU Matrix: Air

Analysis Batch: 12855

	Sample	Sample	DU	DU				RPD	
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit	
1,1,1,2-Tetrachloroethane	ND		ND		ug/L		 NC	20	
1,1,1-Trichloroethane	ND		ND		ug/L		NC	20	

Eurofins Albuquerque

Client Sample ID: SVE-1

Prep Type: Total/NA

Released to Imaging: 10/28/2024 10:06:58 AM

Client: Hilcorp Energy Project/Site: Fifield 5 #1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 885-11589-1 DU

Matrix: Air Analysis Batch: 12855

		Sample		DU				RPD
Analyte		Qualifier		Qualifier	Unit	D	RPD	Limit
1,1,2,2-Tetrachloroethane	ND		ND		ug/L		NC	20
1,1,2-Trichloroethane	ND		ND		ug/L		NC	20
1,1-Dichloroethane	ND		ND		ug/L		NC	20
1,1-Dichloroethene	ND		ND		ug/L		NC	20
1,1-Dichloropropene	ND		ND		ug/L		NC	20
1,2,3-Trichlorobenzene	ND		ND		ug/L		NC	20
1,2,3-Trichloropropane	ND		ND		ug/L		NC	20
1,2,4-Trichlorobenzene	ND		ND		ug/L		NC	20
1,2,4-Trimethylbenzene	14		13.2		ug/L		3	20
1,2-Dibromo-3-Chloropropane	ND		ND		ug/L		NC	20
1,2-Dibromoethane (EDB)	ND		ND		ug/L		NC	20
1,2-Dichlorobenzene	ND		ND		ug/L		NC	20
1,2-Dichloroethane (EDC)	ND		ND		ug/L		NC	20
1,2-Dichloropropane	ND		ND		ug/L		NC	20
1,3,5-Trimethylbenzene	14		13.6		ug/L		1	20
1,3-Dichlorobenzene	ND		ND		ug/L		NC	20
1,3-Dichloropropane	ND		ND		ug/L		NC	20
1,4-Dichlorobenzene	ND		ND		ug/L		NC	20
1-Methylnaphthalene	ND		ND		ug/L		NC	20
2,2-Dichloropropane	ND		ND		ug/L		NC	20
2-Butanone	ND		ND		ug/L		NC	20
2-Chlorotoluene	ND		ND		-		NC	20
2-Hexanone	ND		ND		ug/L		NC	20
	ND		ND		ug/L		NC	20
2-Methylnaphthalene					ug/L			
4-Chlorotoluene	ND		ND		ug/L		NC	20
4-Isopropyltoluene	ND		ND		ug/L "		NC	20
4-Methyl-2-pentanone	ND		ND		ug/L		NC	20
Acetone	ND		ND		ug/L		NC	20
Benzene	24		23.3		ug/L		2	20
Bromobenzene	ND		ND		ug/L		NC	20
Bromodichloromethane	ND		ND		ug/L		NC	20
Dibromochloromethane	ND		ND		ug/L		NC	20
Bromoform	ND		ND		ug/L		NC	20
Bromomethane	ND		ND		ug/L		NC	20
Carbon disulfide	ND		ND		ug/L		NC	20
Carbon tetrachloride	ND		ND		ug/L		NC	20
Chlorobenzene	ND		ND		ug/L		NC	20
Chloroethane	ND		ND		ug/L		NC	20
Chloroform	ND		ND		ug/L		NC	20
Chloromethane	ND		ND		ug/L		NC	20
cis-1,2-Dichloroethene	ND		ND		ug/L		NC	20
cis-1,3-Dichloropropene	ND		ND		ug/L		NC	20
Dibromomethane	ND		ND		ug/L		NC	20
Dichlorodifluoromethane	ND		ND		ug/L		NC	20
Ethylbenzene	13		13.1		ug/L		0.6	20
Hexachlorobutadiene	ND		ND		ug/L		NC	20
Isopropylbenzene	2.6		2.54		ug/L		4	20
Methyl-tert-butyl Ether (MTBE)	ND		2.54 ND		ug/L		4 NC	20
Methylene Chloride	ND		ND		ug/L ug/L		NC	20

Client Sample ID: SVE-1

Prep Type: Total/NA

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0/4/0001

10/4/2024

Eurofins Albuquerque

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

93

Lab Sample ID: 885-11589-1 DU

Matrix: Air Analysis Batch: 12855

Dibromofluoromethane (Surr)

	Sample	Sample	DU	DU				RPD	
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit	2
n-Butylbenzene	ND		ND		ug/L		NC	20	
N-Propylbenzene	3.0		2.95		ug/L		2	20	
Naphthalene	ND		ND		ug/L		NC	20	
sec-Butylbenzene	ND		ND		ug/L		NC	20	
Styrene	ND		ND		ug/L		NC	20	
tert-Butylbenzene	ND		ND		ug/L		NC	20	
Tetrachloroethene (PCE)	ND		ND		ug/L		NC	20	
Toluene	170		167		ug/L		3	20	
trans-1,2-Dichloroethene	ND		ND		ug/L		NC	20	
trans-1,3-Dichloropropene	ND		ND		ug/L		NC	20	
Trichloroethene (TCE)	ND		ND		ug/L		NC	20	
Trichlorofluoromethane	ND		ND		ug/L		NC	20	
Vinyl chloride	ND		ND		ug/L		NC	20	
Xylenes, Total	190		184		ug/L		3	20	
	DU	DU							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	86		70 - 130						
Toluene-d8 (Surr)	128		70 - 130						
4-Bromofluorobenzene (Surr)	110		70 - 130						

70 - 130

10/4/2024

Client Sample ID: SVE-1

Prep Type: Total/NA

QC Association Summary

Client: Hilcorp Energy Project/Site: Fifield 5 #1 Job ID: 885-11589-1

GC/MS VOA

Analysis Batch: 12855

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
85-11589-1	SVE-1	Total/NA	Air	8260B	
MB 885-12855/1005	Method Blank	Total/NA	Air	8260B	
MB 885-12855/5	Method Blank	Total/NA	Air	8260B	
LCS 885-12855/4	Lab Control Sample	Total/NA	Air	8260B	
385-11589-1 DU	SVE-1	Total/NA	Air	8260B	
					/ .
_ab Sample ID	Client Sample ID SVE-1	Prep Type Total/NA	Matrix Air	Method 8015M/D	Prep Batch
L ab Sample ID 385-11589-1	Client Sample ID				Prep Batch
Lab Sample ID 385-11589-1 MB 885-12872/4	Client Sample ID SVE-1	Total/NA	Air	8015M/D	Prep Batch
Lab Sample ID 385-11589-1 MB 885-12872/4	Client Sample ID SVE-1 Method Blank	Total/NA Total/NA	Air Air	8015M/D 8015M/D	Prep Batch
Lab Sample ID 885-11589-1 MB 885-12872/4	Client Sample ID SVE-1 Method Blank	Total/NA Total/NA	Air Air	8015M/D 8015M/D	Prep Batch
nalysis Batch: 12872 Lab Sample ID 885-11589-1 MB 885-12872/4 LCS 885-12872/3	Client Sample ID SVE-1 Method Blank	Total/NA Total/NA	Air Air	8015M/D 8015M/D	Prep Batch
Lab Sample ID 885-11589-1 MB 885-12872/4	Client Sample ID SVE-1 Method Blank	Total/NA Total/NA	Air Air	8015M/D 8015M/D	Prep Batch

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Lab Chronicle

Job ID: 885-11589-1

Project/Site: Fifield 5 #1

Client: Hilcorp Energy

Client Sample ID: SVE-1 Date Collected: 09/10/24 15:00 Date Received: 09/11/24 07:30

Γ	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015M/D		2	12872	СМ	EET ALB	09/23/24 18:18
Total/NA	Analysis	8260B		2	12855	СМ	EET ALB	09/24/24 12:20

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Lab Sample ID: 885-11589-1 Matrix: Air 5 6
Accreditation/Certification Summary

Client: Hilcorp Energy Project/Site: Fifield 5 #1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

	Progra	am	Identification Number	Expiration Date
со	State		NM9425, NM0901	02-26-25
	are included in this report, bu oes not offer certification.	t the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
alysis Method	Prep Method	Matrix	Analyte	
15M/D		Air	Gasoline Range Organics	[C6 - C10]
60B		Air	1,1,1,2-Tetrachloroethane	
60B		Air	1,1,1-Trichloroethane	
60B		Air	1,1,2,2-Tetrachloroethane	
60B		Air	1,1,2-Trichloroethane	
60B		Air	1,1-Dichloroethane	
60B		Air	1,1-Dichloroethene	
60B		Air	1,1-Dichloropropene	
60B		Air	1,2,3-Trichlorobenzene	
:60B		Air	1,2,3-Trichloropropane	
:60B		Air	1,2,4-Trichlorobenzene	
:60B		Air	1,2,4-Trimethylbenzene	
60B		Air	1,2-Dibromo-3-Chloroprop	ane
60B		Air	1,2-Dibromoethane (EDB)	
60B		Air	1,2-Dichlorobenzene	
60B		Air	1,2-Dichloroethane (EDC)	
60B		Air	1,2-Dichloropropane	
60B		Air	1,3,5-Trimethylbenzene	
60B		Air	1,3-Dichlorobenzene	
60B		Air	1,3-Dichloropropane	
60B		Air	1,4-Dichlorobenzene	
60B		Air	1-Methylnaphthalene	
60B		Air	2,2-Dichloropropane	
60B		Air	2-Butanone	
60B		Air	2-Chlorotoluene	
60B		Air	2-Hexanone	
60B		Air	2-Methylnaphthalene	
60B		Air	4-Chlorotoluene	
60B		Air	4-Isopropyltoluene	
60B		Air	4-Methyl-2-pentanone	
:60B		Air	Acetone	
60B		Air	Benzene	
:60B		Air	Bromobenzene	
60B		Air	Bromodichloromethane	
:60B		Air	Bromoform	
:60B		Air	Bromomethane	
			Carbon disulfide	
60B 60B		Air Air	Carbon disulide Carbon tetrachloride	
:60B				
		Air	Chloropenzene	
60B		Air	Chloroethane	
60B		Air	Chloroform	
60B		Air	Chloromethane	
60B		Air	cis-1,2-Dichloroethene	
60B		Air	cis-1,3-Dichloropropene	

10/4/2024

Job ID: 885-11589-1

Laboratory: Eurofins Albuquerque (Continued)

Accreditation/Certification Summary

Client: Hilcorp Energy Project/Site: Fifield 5 #1

2 3 4 5 6 7 8 9 10

rity	Progra	am	Identification Number Expiration Date
The following analytes	are included in this report, bu	It the laboratory is not certif	ied by the governing authority. This list may include analyte
for which the agency do	oes not offer certification.		
Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total
n	NELA	P	NM100001 02-26-25
	NELA		NW100001 02-20-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015M/D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene

Accreditation/Certification Summary

Client: Hilcorp Energy Project/Site: Fifield 5 #1 Job ID: 885-11589-1

Page 39 of 48

thority	Progr	am	Identification Number Expiration Date	
	are included in this report, bu bes not offer certification.	ut the laboratory is not certif	ied by the governing authority. This list may include analytes	
Analysis Method	Prep Method	Matrix	Analyte	
8260B		Air	1-Methylnaphthalene	
8260B		Air	2,2-Dichloropropane	
8260B		Air	2-Butanone	
8260B		Air	2-Chlorotoluene	
8260B		Air	2-Hexanone	
8260B		Air	2-Methylnaphthalene	
8260B		Air	4-Chlorotoluene	
8260B		Air	4-Isopropyltoluene	
8260B		Air	4-Methyl-2-pentanone	
8260B		Air	Acetone	
8260B		Air	Benzene	
8260B		Air	Bromobenzene	
8260B		Air	Bromodichloromethane	
8260B		Air	Bromoform	
8260B		Air	Bromomethane	
8260B		Air	Carbon disulfide	
8260B		Air	Carbon tetrachloride	
8260B		Air	Chlorobenzene	
8260B		Air	Chloroethane	
8260B		Air	Chloroform	
8260B		Air	Chloromethane	
8260B		Air	cis-1,2-Dichloroethene	
8260B		Air	cis-1,3-Dichloropropene	
8260B		Air	Dibromochloromethane	
8260B		Air	Dibromomethane	
8260B		Air	Dichlorodifluoromethane	
8260B		Air	Ethylbenzene	
8260B		Air	Hexachlorobutadiene	
8260B		Air	Isopropylbenzene	
8260B		Air	Methylene Chloride	
8260B		Air	Methyl-tert-butyl Ether (MTBE)	
8260B		Air	Naphthalene	
8260B		Air	n-Butylbenzene	
8260B		Air	N-Propylbenzene	
8260B		Air	sec-Butylbenzene	
8260B		Air	Styrene	
8260B		Air	tert-Butylbenzene	

Tetrachloroethene (PCE)

trans-1,2-Dichloroethene

Trichloroethene (TCE)

Trichlorofluoromethane

Vinyl chloride

Xylenes, Total

trans-1,3-Dichloropropene

Toluene

8260B

8260B

8260B

8260B

8260B

8260B

8260B

8260B

Air

Air

Air

Air

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Air

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Air



ANALYTICAL SUMMARY REPORT

September 18, 2024

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: B24091176 Quote ID: B15626

Project Name: Fifield 5 #1 88501698

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 9/12/2024 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Date	Matrix	Test
B24091176-001	SVE-1 (855-11589-1)	09/10/24 15:00 09/12/24	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., mois Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.



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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Hall Environmental

 Project:
 Fifield 5 #1 88501698

 Lab ID:
 B24091176-001

 Client Sample ID:
 SVE-1 (855-11589-1)

 Report Date:
 09/18/24

 Collection Date:
 09/10/24 15:00

 DateReceived:
 09/12/24

 Matrix:
 Air

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	21.36	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Nitrogen	78.50	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Carbon Dioxide	0.09	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Hexanes plus	0.05	Mol %		0.01		GPA 2261-95	09/16/24 12:41 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-95	09/16/24 12:41 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	09/16/24 12:41 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	09/16/24 12:41 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	09/16/24 12:41 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	09/16/24 12:41 / jrj
Hexanes plus	0.021	gpm		0.001		GPA 2261-95	09/16/24 12:41 / jrj
GPM Total	0.021	gpm		0.001		GPA 2261-95	09/16/24 12:41 / jrj
GPM Pentanes plus	0.021	gpm		0.001		GPA 2261-95	09/16/24 12:41 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	2			1		GPA 2261-95	09/16/24 12:41 / jrj
Net BTU per cu ft @ std cond. (LHV)	2			1		GPA 2261-95	09/16/24 12:41 / jrj
Pseudo-critical Pressure, psia	544			1		GPA 2261-95	09/16/24 12:41 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-95	09/16/24 12:41 / jrj
Specific Gravity @ 60/60F	0.998			0.001		D3588-81	09/16/24 12:41 / jrj
Air, % - The analysis was not corrected for air.	97.58			0.01		GPA 2261-95	09/16/24 12:41 / jrj

COMMENTS

09/16/24 12:41 / jrj

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.

- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

- Standard conditions: 60 F & 14.73 psi on a dry basis

Report Definitions: RL - Analyte Reporting Limit QCL - Quality Control Limit



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QA/QC Summary Report

Prepared by Billings, MT Branch

				ricparca	by Dinnigs, M	Diane					
Client:	Hall Environmental				Work Order:	B2409	1176	Repor	rt Date:	09/18/24	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-95									Batch:	R428958
Lab ID:	B24091168-001ADUP	12 Sam	ple Duplic	ate			Run: GCNG	A-B_240916A		09/16/	/24 11:03
Oxygen			21.7	Mol %	0.01				0.2	20	
Nitrogen			78.0	Mol %	0.01				0.1	20	
Carbon [Dioxide		0.23	Mol %	0.01				0.0	20	
Hydroge	n Sulfide		<0.01	Mol %	0.01					20	
Methane			<0.01	Mol %	0.01					20	
Ethane			<0.01	Mol %	0.01					20	
Propane			<0.01	Mol %	0.01					20	
Isobutan	e		<0.01	Mol %	0.01					20	
n-Butane	9		<0.01	Mol %	0.01					20	
Isopenta	ne		<0.01	Mol %	0.01					20	
n-Pentar	ne		<0.01	Mol %	0.01					20	
Hexanes	plus		0.06	Mol %	0.01				0.0	20	
Lab ID:	LCS091624	11 Labo	oratory Co	ntrol Sample	e		Run: GCNG	A-B_240916A		09/16	/24 02:25
Oxygen			0.63	Mol %	0.01	126	70	130			
Nitrogen			5.91	Mol %	0.01	98	70	130			
Carbon D	Dioxide		0.99	Mol %	0.01	100	70	130			
Methane			75.1	Mol %	0.01	100	70	130			
Ethane			6.10	Mol %	0.01	102	70	130			
Propane			5.05	Mol %	0.01	102	70	130			
Isobutan	e		1.43	Mol %	0.01	71	70	130			
n-Butane	9		2.01	Mol %	0.01	100	70	130			
Isopenta	ne		1.01	Mol %	0.01	101	70	130			
n-Pentar	ie		1.01	Mol %	0.01	101	70	130			
Hexanes	plus		0.79	Mol %	0.01	99	70	130			

ND - Not detected at the Reporting Limit (RL)

	nustour
LABORATORIES	www.ene

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B24091176

Work Order Receipt Checklist

Hall Environmental

Login completed by:	Gina McCartney		Date F	Received: 9/12/2024
Reviewed by:	ysmith		Rec	eived by: DNH
Reviewed Date:	9/16/2024		Carr	ier name: FedEx NDA
Shipping container/cooler in	good condition?	Yes 🗸	No 🗌	Not Present
Custody seals intact on all sl	hipping container(s)/cooler(s)?	Yes 🗸	No 🗌	Not Present
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗹
Chain of custody present?		Yes 🗹	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes 🗹	No 🗌	
Chain of custody agrees with	n sample labels?	Yes 🗹	No 🗌	
Samples in proper container,	/bottle?	Yes 🗹	No 🗌	
Sample containers intact?		Yes 🗹	No 🗌	
Sufficient sample volume for	indicated test?	Yes 🗹	No 🗌	
All samples received within h (Exclude analyses that are c such as pH, DO, Res CI, Su	onsidered field parameters	Yes 🗹	No 🗌	
Temp Blank received in all s	hipping container(s)/cooler(s)?	Yes	No 🗹	Not Applicable
Container/Temp Blank tempe	erature:	18.1°C No Ice		
Containers requiring zero he bubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted
Water - pH acceptable upon	receipt?	Yes	No 🗌	Not Applicable

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

Eurofins Albuquerque 4901 Hawkins NE Albuquerque, NM 87109	Cha	in of Cu	ain of Custody Record	ecord		🐝 eurofins Environment Testing
Phone: 505-345-38/5 Fax: 505-345-410/	Sampler:		Lab PM	M:	Carrier Tracking No(s):	COC No: RR5-1927 1
Client Information (Sub Contract Lab)			Garci	Garcia, Michelle	State of Origin:	Pade:
Client Contact.	Phone:		mich	elle.garcia@et.eurofinsus.co	om New Mexico	Page 1 of 1
Company:				Accreditations Required (See note): NELAP - Oregon: State - New Mexico	e): ew Mexico	Job#: 885-11589-1
Energy Laboratories, Inc.	Due Date Requested:					Preservation Codes:
1120 South 27th Street,	9/18/2024			Ana	Analysis Kequested	
City. Billings	TAT Requested (days):					
State, Zp: MT 5010						
	:# Od			(0		
406-252-5520(1ei) Email:	# OM			(on		SJe
Project Name:	Project #:			JO S		nistr i
Fifield 5 #1 Site:	88501698 SSOW#:			D (Xe		of cot
				SW/		Det (
	-	Sample Type Sample (C=comp, Time G=crah)	Ie Matrix (W-water, s=solid, np, o=wasteriol, h)) or-traine Amatr)	Field Filtere Perform MS SUB (Fixed C SUB (Fixed C		Total Instructions/Note:
Sample Identification - Client ID (Lab ID)		*	- m	X		
		15:00	Air	>		See Attached Instructions
SVE-1 (885-11589-1)	9/10/24 Mou	Mountain G	I	<		
		-				
					This cannot be a second	eshinment is forwarded under chain-of-custody.
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownersing of method, anyte accreditation to usuccurrent accreditation or anytes accreditation or anytes accreditation or method. Any changes to the Eurofins Environment Testing South Central, LLC places the average accreditation or anytes accreditation or anyte accreditation or analysis/actistratic being analyted, the samples are to fing in the truth accreditation or accreditation or analysis/actistratic being analyted has to the Eurofins Environment Testing South Central, LLC accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.	ment Testing South Central, L d above for analysis/tests/mati t Central, LLC attention immed	LC places the own rix being analyzed liately. If all reque	rership of method, a the samples must sted accreditations	inaryte & accreatization compilative be shipped back to the Eurofins Ei are current to date, return the sign	upon our subcomment resting South Central, LLC laborator ed Chain of Custody attesting to said compliance	y or other instructions will be provided. Any chr e to Eurofins Enviranment Testing South Centra
Possible Hazard Identification				Sample Disposal (A 1	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	etained longer than 1 month)
l Inconfirmed				Return To Client	osal By Lab	Archive For Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable	ble Rank: 2		Special Instructions/QC Requirements:		
Empty Kit Relinguished by:	Date:	ä	2	Time:	Method of Shipment:	
Relinquished by	Date/Time/, M.J. 1	2	Company	Received by:	Date/Time:	Company
the wayte	1	2	Company	Received by:	Date/Time:	Company
Kelinquishagray:				Decision but	/ Date/Line	
Relinquished by:	Date/Time:		Company	Keselved by:	A ANUL ANA ALLA CIT	12/m raw
Custody Seals Intact: Custody Seal No.:				Cooter Temperature(s)		
A Yes A No						Ver: 05/06/2024

Container Type Tedlar Bag 1L Containers <u>Count</u> 1

Preservative None

Subcontract Method Instructions

Sample IDs	Method	Method Description	Method Comments
1	SUBCONTRACT	SUB (Fixed Gases)/ Fixed Gases	Fixed Gases

eceiveu by OCD. 10/8/2024			
855 1555 COO			2 2
	2 7 6		
	Fixed as 02 & CO2		aualytic
HALL ENVIRONMI ANALYSIS LABOR www.hallenvironmental.com kins NE - Albuquerque, NM 87105 345-3975 Fax 505-345-4107 Analysis Request	HONT 2108		a ti
RO ntal.c ue, N 5-345 gues	Fotal Coliform (Present/Absent)		c optimized on
IALL ENVIRON NALYSIS LABC www.hallenvironmental.com ins NE - Albuquerque, NM 8 45-3975 Fax 505-345-41 Analysis Request	(AOV) 0358 (AOV-im92) 0728		auly no
SI Niro Nbuq Fax	3360 (VOA) CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄		
	SCRA 8 Metals		ata wil
HALL ANAL www.hal 4901 Hawkins NE - Tel. 505-345-3975	2MI20728 of 0158 vd 2HAC		acted d
A wkin wkin	(1.40č bothem) 80		
. 505 505	8081 Pesticides/8082 PCB's		10 no k
490 Tel	ГРН:8015D(GRO / DRO / MRO)		bossibility, A
	3TEX / MTBE / TMB's (8021)		Le Rem
- #	sinclair Sinclair Acytor = 2010 Porytor = 2010 HEAL NO.	-	Date Time Remarks: Date Time Remarks: Allohy 1/63 Date Time Date Time Remarks: Pate Time Remarks: Pate Time Remarks: Pate Time Remarks: Remarks: Remarks: Remarks: Pate Time Remarks: Remarks: Remarks: Remarks:
Time:	Kill Aar Macri: Macri:		Via: Via: Via: Via: abcredited laboratories.
Turn-Around T Standard Project Name: F : f : e / Project #:	alidation) M ; $F_{c}L$ k ; M ; $F_{c}L$ k ; Sampler: $Br_{a,n} \frac{I_{a,n}}{I_{a,n}}$ On Ice: \Box Yes # of Coolers: 1 Cooler Temp(Including CF); Container Preserve Type and # Type	2 Tedlar	Received by: Received by: contracted to other
Client: $Hilcorf$ Client: $Hilcorp$ Mailing Address: Phone #:	or Fax#: <i>b</i> rand an . 5 in clair 0 C Package: andard	1500 a ir	Date: Time: Relinquished by: 7/10/34 1/03 M 7/10/34 1/03 M Date: Time: Received by: Date: Time: Received by: In bar M M In bar M
Pho Gii			

Page 46 of 48

Client: Hilcorp Energy

Login Number: 11589 List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Job Number: 885-11589-1

List Source: Eurofins Albuquerque

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

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

District III

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

District IV

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

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

CONDITIONS

Action 390986

CONDITIONS

Operator:	OGRID:	
HILCORP ENERGY COMPANY	372171	
1111 Travis Street	Action Number:	
Houston, TX 77002	390986	
	Action Type:	
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)	

CONDITIONS

By A Continue further entire on stated in second 2. Submit such as each by larger 45, 2025	-	Condition	Condition Date
I IVERZI I. CONTINUE TUTNEL ACTIONS AS STATED IN FEDORE, Z. SUDMIL NEXT QUARTERIX FEDORE DV JANUARY 15, 2025.	nvelez	1. Continue further actions as stated in report. 2. Submit next guarterly report by January 15, 2025.	10/28/2024