REVIEWED

By NVelez at 12:53 pm, Oct 25, 2024

1. Continue O&M & sampling as stated in report. 2. Submit next quarterly report by January 15, 2025.

October 14, 2024

New Mexico Oil Conservation Division

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

Re: Third Quarter 2024 – SVE System Update

Scott 4M

San Juan County, New Mexico
Hilcorp Energy Company
NMOCD Incident Number: NCE2003650476

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Third Quarter 2024 –SVE System Update* report summarizing the soil vapor extraction (SVE) system performance at the Scott 4M natural gas production well (Site), located in Section 17, Township 31 North, and Range 10 West in San Juan County (Figure 1). The SVE system has operated since January 2021 to remediate subsurface soil impacts resulting from approximately 42 barrels (bbls) of natural gas condensate released from an aboveground storage tank. This report summarizes Site activities performed in July, August, and September of 2024.

SVE SYSTEM SPECIFICATIONS

An upgraded SVE system was installed at the Site at the end of September 2022 and consists of 3-phase, 3.4 horsepower Republic Model KVHRC500 blower capable of producing a flow of 221 cubic feet per minute (cfm) and a vacuum of 76 inches of water column (IWC). The system is powered by a permanent power drop and is intended to run 24 hours per day. Seven SVE wells are currently present at the Site (SVE01 through SVE07, shown on Figure 2). SVE wells SVE01 through SVE03 are screened at depth intervals ranging from 25 feet to 45 feet below ground surface (bgs) in order to remediate deep soil impacts located at the Site. SVE wells SVE04 and SVE05 are screened at depth intervals ranging from 5 feet to 25 feet bgs in order to remediate shallow soil impacts at the Site. SVE wells SVE06 and SVE07 were installed at the Site in order to complete the pilot test conducted in 2021; however, these wells are not located in impacted areas and are not connected to the permanent SVE system.

THIRD QUARTER 2024 ACTIVITIES

During the third quarter 2024, Ensolum and Hilcorp personnel performed bi-weekly operation and maintenance (O&M) visits to ensure the system was operating as designed and to perform any required maintenance. Field notes taken during O&M visits are presented in Appendix A. Prior to June 13, 2024, vacuum was applied to SVE wells SVE01 through SVE05 in order to induce flow in impacted soil zones. On June 13, 2024, the valves for SVE03 and SVE04 were closed in order to focus extraction on the remaining SVE wells with higher PID readings. Between June 13, 2024

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and September 18, 2024, the SVE system operated for 2,326.6 hours for a runtime efficiency of 100 percent (%). Photographs of the runtime meter for calculating the third quarter runtime efficiency are presented as Appendix B. The SVE system operational hours and calculated percent runtime are presented in Table 1.

A third quarter 2024 vapor sample was collected on September 18, 2024, from a sample port located between the SVE piping manifold and the SVE blower, using a high vacuum air sampler. Prior to collection, the vapor sample was field screened with a photoionization detector (PID) for organic vapor monitoring (OVM). The vapor sample was collected directly into two 1-Liter Tedlar® bags and submitted to Eurofins Environment Testing in Albuquerque, New Mexico for analysis of total volatile petroleum hydrocarbons [TVPH – also known as total petroleum hydrocarbons – gasoline range organics (TPH-GRO)] following United States Environmental Protection Agency (EPA) Method 8015D, volatile organic compounds (VOCs) following EPA Method 8260B, and fixed gas analysis of oxygen and carbon dioxide following Gas Processors Association (GPA) Method 2261. A summary of analytical data collected during this sampling event and historical sampling events is summarized in Table 2, with the full laboratory analytical report included as Appendix C.

Vapor sample data and measured flow rates are used to estimate total mass recovered and total emissions generated by the SVE system (Table 3). Based on these estimates, 8,746 pounds (4.4 tons) of TVPH have been removed by the system to date. Of note, after further evaluation, it was determined that the flow rate recorded on the rotameter for the March 4, 2024 field event and used in Table 3 was anomalously high as compared to other flow rates. The flow rate has been recalculated using the velocity obtained with a thermal anemometer on the same date and the total mass removal rates have been revised in the table.

RECOMMENDATIONS

Bi-weekly O&M visits will continue to be performed by Ensolum and/or Hilcorp personnel to ensure the SVE system is operating within normal working ranges (i.e., temperature, pressure, and vacuum) until it is determined that SVE is no longer effective, at which point a workplan for soil confirmation sampling will be submitted to the NMOCD for review and approval. Deviations from regular SVE system operations will be noted on field logs and included in the following quarterly report.

We appreciate the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this report, please contact the undersigned.

Sincerely,

Ensolum, LLC

Stuart Hyde, LG (licensed in WA & TX) Senior Managing Geologist (970) 903-1607

shyde@ensolum.com

Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist (303) 887-2946 dmoir@ensolum.com

ENSOLUM

Hilcorp Energy Company Third Quarter 2024 – SVE System Update Scott 4M

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Attachments:

Figure 1 Site Location

Figure 2 SVE System Configuration

Table 1 Soil Vapor Extraction System Runtime Calculations
Table 2 Soil Vapor Extraction System Air Analytical Results

Table 3 Soil Vapor Extraction System Mass Removal and Emissions

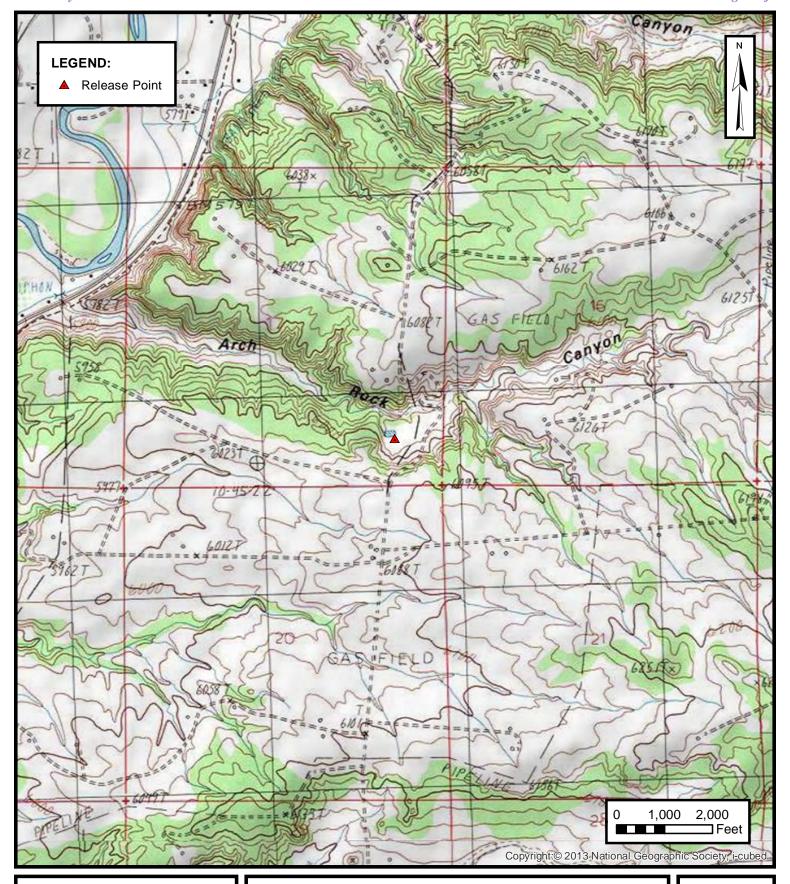
Appendix A Field Notes

Appendix B Project Photographs

Appendix C Laboratory Analytical Reports



Figures





SITE LOCATION

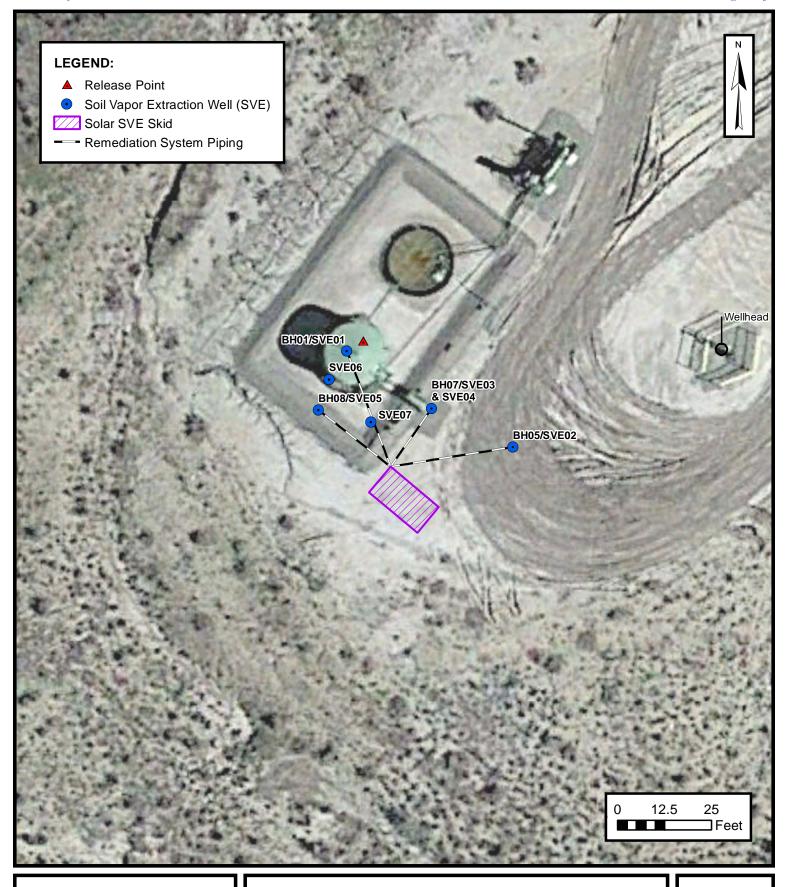
HILCORP ENERGY COMPANY SCOTT 4M

SESE SEC 17 T31N R1OW, San Juan County, New Mexico 36.893345° N, 107.899185° W

PROJECT NUMBER: 07A1988016

FIGURE

1





SVE SYSTEM CONFIGURATION

HILCORP ENERGY COMPANY SCOTT 4M

SESE SEC 17 T31N R1OW, San Juan County, New Mexico 36.893345° N, 107.899185° W

PROJECT NUMBER: 07A1988016

FIGURE

2



Tables



TABLE 1 SOIL VAPOR EXTRACTION SYSTEM RUNTIME CALCULATIONS

Scott 4M Hilcorp Energy Company San Juan County, New Mexico

Date	Total Operational Hours	Delta Hours	Days	Percent Runtime
6/13/2024	21,288	1	1	
9/18/2024	23,615	2,326.6	97.0	100%

Ensolum 1 of 1



TABLE 2

SOIL VAPOR EXTRACTION SYSTEM EMISSIONS ANALYTICAL RESULTS

Scott 4M

Hilcorp Energy Company San Juan County, New Mexico

				, ,				
Date	PID (ppm)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)	TVPH/GRO (µg/L)	Oxygen (%)	Carbon Dioxide (%)
2/1/2021	118	85	240	10	64	18,000		
9/7/2021	53	40	280	24	240	15,000		
9/29/2021	316	210	1,800	240	2,200	85,000		
12/2/2021	232	48	320	32	310	50,000	16.60%	1.03%
3/15/2022	402	38	430	63	660	18,000	20.80%	0.473%
6/16/2022	89	1.3	13	1.6	17	750	21.57%	0.15%
9/28/2022	476	9.6	120	19	220	5,900	20.73%	0.90%
12/12/2022	198	2.5	26	4.9	59	2,100	21.65%	0.27%
3/9/2023	274	1.0	19	4.0	50	1,500	21.64%	0.19%
6/22/2023	247	1.2	16	2.4	34	940	21.42%	0.29%
8/23/2023	186	1.0	12	2.0	29	930	21.49%	0.32%
11/27/2023	129	0.86	11	1.5	22	860	21.40%	0.22%
3/5/2024	57.5	< 0.50	5.6	0.76	12	260	22.25%	0.10%
6/13/2024	88.7	0.67	8.0	1.1	18	490	21.78%	0.15%
9/18/2024	66.0	10	62	<5.0	69	270	22.10%	0.06%

Notes:

GRO: gasoline range organics

μg/L: microgram per liter

PID: photoionization detector

ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

%: percent

--: not sampled

Grey: Below laboratory reporting limit

Ensolum 1 of 1



TABLE 3

SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS

Scott 4M Hilcorp Energy Company San Juan County, New Mexico

			Laboratory Analys	ils		
Date	PID (ppm)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)	TVPH (μg/L)
2/1/2021	118	85	240	10	64	18,000
9/7/2021	53	40	280	24	240	15,000
9/29/2021	316	210	1,800	240	2,200	85,000
12/2/2021	232	48	320	32	310	50,000
3/15/2022	402	38	430	63	660	18,000
6/16/2022	89	1.3	13	1.6	17	750
9/28/2022 (1)	476	9.6	120	19	220	5,900
12/12/2022 (2)	198	2.5	26	4.9	59	2,100
3/9/2023	274	1.0	19	4.0	50	1,500
6/22/2023	247	1.2	16	2.4	34	940
8/23/2023	186	1.0	12	2.0	29	930
11/27/2023	129	0.86	11	1.5	22	860
3/5/2024	57.5	0.50	5.6	0.76	12	260
6/13/2024	88.7	0.67	8.0	1.10	18	490
9/18/2024	66.0	10	62	5.0	69	270
Average	195	30	224	27	267	13,333

Vapor Extraction Summary

				or Extraodion Gain				
Date	Flow Rate (cfm)	Total System Flow (cf)	Delta Flow (cf)	Benzene (lb/hr)	Toluene (lb/hr)	Ethylbenzene (lb/hr)	Total Xylenes (lb/hr)	TVPH (lb/hr)
2/1/2021	22	1,980	1,980	0.0070	0.020	0.00082	0.0053	1.5
9/7/2021	22	2,841,168	2,839,188	0.0051	0.021	0.0014	0.013	1.4
9/29/2021	10	2,979,528	138,360	0.0047	0.039	0.0049	0.046	1.9
12/2/2021	3.5	3,106,158	126,630	0.00169	0.0139	0.00178	0.0164	0.88
3/15/2022	8.0	3,519,486	413,328	0.00129	0.0112	0.00142	0.0145	1.02
6/16/2022	14	4,412,322	892,836	0.00103	0.0116	0.00169	0.0177	0.49
9/9/2022 (1)	12	5,218,146	805,824	0.00024	0.0030	0.00046	0.0053	0.15
12/10/2022 (2)	46	10,939,074	5,720,928	0.00104	0.0126	0.00206	0.0240	0.69
3/9/2023	31	14,846,376	3,907,302	0.00020	0.0026	0.00052	0.0063	0.21
6/22/2023 (3)	36	20,301,024	5,454,648	0.00015	0.0024	0.00043	0.0057	0.16
8/23/2023 (4)	38	23,648,084	3,347,060	0.00015	0.0020	0.00031	0.0044	0.13
11/27/2023	50	30,561,884	6,913,800	0.00017	0.0022	0.00033	0.0048	0.17
3/5/2024	35	35,557,364	4,995,480	0.00009	0.0011	0.00015	0.0022	0.07
6/13/2024	38	41,019,788	5,462,424	0.00008	0.0010	0.00013	0.0021	0.05
9/18/2024	40	46,603,628	5,583,840	0.00080	0.0052	0.00046	0.0065	0.06
	•		Average	0.0016	0.010	0.0011	0.012	0.59

Mass Recovery

Date	Total SVE System Hours	Delta Hours	Benzene (pounds)	Toluene (pounds)	Ethylbenzene (pounds)	Total Xylenes (pounds)	TVPH (pounds)	TVPH (tons)
2/1/2021	1.5	1.5	0.010	0.030	0.0012	0.0079	2.2	0.0011
9/7/2021	2,152	2,151	11	46	3.0	27	2,920	1.5
9/29/2021	2,383	231	1.1	9.0	1.1	11	431	0.22
12/2/2021	2,986	603	1.0	8.4	1.1	9.9	533	0.27
3/15/2022	3,847	861	1.1	9.7	1.2	12	876	0.44
6/16/2022	4,910	1,063	1.1	12.3	1.8	19	522	0.26
9/9/2022 (1)	6,029	1,119	0.3	3.3	0.5	6.0	167	0.08
12/10/2022 (2)	8,102	2,073	2.2	26	4.3	50	1,426	0.71
3/9/2023	10,203	2,101	0.43	5.5	1.1	13	438	0.22
6/22/2023	12,728	2,525	0.37	6.0	1.1	14	415	0.21
8/23/2023	14,209	1,481	0.23	2.9	0.46	6.6	195	0.10
11/27/2023	16,514	2,305	0.40	5.0	0.75	11	386	0.19
3/5/2024	18,892	2,379	0.21	2.6	0.35	5.3	174	0.087
6/13/2024	21,288	2,396	0.20	2.3	0.32	5.1	128	0.064
9/18/2024	23,615	2,327	1.9	12	1.1	15	132	0.066
	Total Mass	Recovery to Date	21	151	18	205	8,746	4.4

Notes:

- (1): SVE system hours and flow rates were collected during operation and maintenance visit on 9/9/2022
- (2): PID measurement, SVE system hours, and flow rates were collected during operation and maintenance visit on 12/10/2022
- (3): SVE system rotameter was malfunctioning during site visit on 6/22/2023. Flow rate was estimated based on the average flow recorded during site visits between 4/13/2023 and 6/7/2023.
- (4): SVE system rotameter was oscillating during third quarter 2023 site visits. Flow rate was estimated based on average historical flow for the current system

cf: cubic feet

cfm: cubic feet per minute

μg/L: micrograms per liter lb/hr: pounds per hour

--: not sampled

PID: photoionization detector ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

gray: laboratory reporting limit used for calculating emissions



APPENDIX A

Field Notes



Amperage In Voltage Out Voltage Out Amperage Out Amperage Out KiloWatts KiloWatts KiloWatt-Hours Solar Controller Status Pre-K/O Vacuum (IWC) Inlet Rotameter Flow (scfm) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level S AM to February 8 AM to March 8 AM to March 8 AM to April 8 AM to April 9 AM to August 7 AM to September 8 AM to November 9 AM to	Nours (take photo) 2 9 9 9 9 1 1 1 1 1 1	SVE SYSTEM			CONTRACTOR AND SECTION OF THE SECTIO	
Note	Voltage In		READING	TIME	TIME	R SETTINGS
January 8 AM to	January 8 AM to 7 PM		21959.8	1437		
February S AM to	February 8 AM to 7 PM	1040 - 10			January	
March 8 AM to	March					
Amperage Out KiloWatts KiloWatts May 7 AM to May 7 AM to Solar Controller Status June 6 AM to July 6 AM to July 6 AM to August 7 AM to September Inlet PID 13 Cotober Exhaust PID Solar Panel Angle K/O Tank Drum Level O Liquid Drained (gallons) Timer Setting SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	April 8 AM to 9 PM					
KiloWatts KiloWatt-Hours Solar Controller Status June 6 AM to July 6 AM to July 6 AM to August 7 AM to August 7 AM to September 8 AM to September 8 AM to October 8 AM to Solar Panel Angle K/O Tank Drum Level O Liquid Drained (gallons) Timer Setting SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	May 7 AM to 9 PM					
Solar Controller Status Solar Controller Status Fre-K/O Vacuum (IWC) Inlet Rotameter Flow (scfm) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level O Liquid Drained (gallons) Timer Setting SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	June 6 AM to 9 PM					
Solar Controller Status July 6 AM to	Substitute Sub					
Inlet Rotameter Flow (scfm) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level O Liquid Drained (gallons) Timer Setting SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	August 7 AM to 9 PM Inlet PID 2 3 8 September 8 AM to 9 PM Exhaust PID October 8 AM to 8 PM November 9 AM to 8 PM Inlet PID 2 3 8 September 8 AM to 9 PM Exhaust PID October 8 AM to 8 PM November 9 AM to 8 PM December 8 AM to 6 PM SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) TING WELLS Operation: ION VACUUM (IWC) PID HEADSPACE (PPM) ADJUSTMENTS				July	
Inlet Rotaineter Flow (Scim) Inlet PID Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level O Liquid Drained (gallons) Timer Setting SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	Inter PID	Inlet Peterrete Flor (C)	60			
Solar Panel Angle K/O Tank Drum Level /O Liquid Drained (gallons) Timer Setting SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	Exhaust PID olar Panel Angle Orank Drum Level Orained (gallons) Timer Setting SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) TING WELLS Operation: October 8 AM to 8 PM November 9 AM to 8 PM December 8 AM to 6 PM SAM to 6 PM SAMPLE TIME: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) TING WELLS Operation:		38			
Solar Panel Angle K/O Tank Drum Level /O Liquid Drained (gallons) Timer Setting SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) TING WELLS Operation: November 9 AM to 8 PM December 8 AM to 6 PM SAMPLE ID: SAMPLE TIME: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) TING WELLS Operation: November 9 AM to 8 PM December 8 AM to 6 PM A Division of PM A Div		21.3		October	
Solar Faller Angle K/O Tank Drum Level /O Liquid Drained (gallons) Timer Setting SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	Orank Drum Level Orained (gallons) Timer Setting SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) TING WELLS Operation: December 8 AM to 6 PM 8 AM to 6 PM ADJUSTMENTS		116.7		November	
SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) TING WELLS Operation: VACUUM (IWC) PID HEADSPACE (PPM) ADJUSTMENTS				December	
SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: SAMPLE TIME: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	SVE SYSTEM - QUARTERLY SAMPLING SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) TING WELLS Operation: VACUUM (IWC) PID HEADSPACE (PPM) ADJUSTMENTS	K/O Tank Drum Level		CONTRACTOR PROPERTY OF THE PRO	A STATE OF THE STA	
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	ION VACUUM (IWC) PID HEADSPACE (PPM) ADJUSTMENTS	/O Liquid Drained (gallons)	SVE SYSTE	M - OLIARTERI V SAMPI	INC	
nge in Well Operation:	ADJUSTIVENTS	SAMPLE ID: Analytes: TVF		SAMPLE TIME:	LING	
LOCATION VACUUM (IWC) PID HEADSPACE (PPM) ADJUSTMENTS		SAMPLE ID: Analytes: TVF OPERATING WELLS		SAMPLE TIME:	ING	
SVE01 41.8.		SAMPLE ID: Analytes: TVF OPERATING WELLS age in Well Operation:	PH (8015), VOCs (8260), Fixed (SAMPLE TIME: Gas (CO/CO2/O2)		
		SAMPLE ID: Analytes: TVF OPERATING WELLS age in Well Operation: LOCATION SVE01	PH (8015), VOCs (8260), Fixed (SAMPLE TIME: Gas (CO/CO2/O2)		
		SAMPLE ID: Analytes: TVF OPERATING WELLS LOCATION SVE01 SVE02	PH (8015), VOCs (8260), Fixed (SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
_SVE03		SAMPLE ID: Analytes: TVF OPERATING WELLS LOCATION SVE01 SVE02 SVE03	PH (8015), VOCs (8260), Fixed (SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
0/2		SAMPLE ID: Analytes: TVF OPERATING WELLS age in Well Operation: LOCATION SVE01 SVE02 SVE03	PH (8015), VOCs (8260), Fixed (SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SVE03 SVE04		SAMPLE ID: Analytes: TVF OPERATING WELLS LOCATION SVE01 SVE02 SVE03 SVE04	VACUUM (IWC) 41.8.4 44.5	SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SVE03 SVE04	5 16.09 63.6 TION WELL)	SAMPLE ID: Analytes: TVF OPERATING WELLS ge in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 OBSERVATION WELL)	VACUUM (IWC) 41.8.4 44.5	SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SVE01 41.8.		K/O Liquid Drained (gallons) Timer Setting SAMPLE ID:		SAMPLE TIME:	ING	
SVE02 44.5	017	SAMPLE ID: Analytes: TVF OPERATING WELLS ge in Well Operation: LOCATION SVE01	PH (8015), VOCs (8260), Fixed (SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
0/2		SAMPLE ID: Analytes: TVF OPERATING WELLS ge in Well Operation: LOCATION SVE01 SVE02	PH (8015), VOCs (8260), Fixed (SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
0/2		SAMPLE ID: Analytes: TVF OPERATING WELLS ge in Well Operation: LOCATION SVE01 SVE02	PH (8015), VOCs (8260), Fixed (SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
_SVE03		SAMPLE ID: Analytes: TVF OPERATING WELLS ge in Well Operation: LOCATION SVE01 SVE02 SVE03	PH (8015), VOCs (8260), Fixed (SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SVE03 SVE04		SAMPLE ID: Analytes: TVF OPERATING WELLS ge in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04	VACUUM (IWC) 41.8.4 44.5	SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SVE03 SVE04		SAMPLE ID: Analytes: TVF OPERATING WELLS ge in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04	VACUUM (IWC) 41.8.4 44.5	SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SVE03 SVE04 63.6	5 16.09 63.6	SAMPLE ID: Analytes: TVF OPERATING WELLS ge in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05	VACUUM (IWC) 41.8.4 44.5	SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SVE03 SVE04		SAMPLE ID: Analytes: TVF OPERATING WELLS LOCATION SVE01 SVE02 SVE03 SVE04	VACUUM (IWC) 41.8.4 44.5	SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SVE03 SVE04 SVE05 OBSERVATION WELL) SVE05	5 16.09 63.6 TION WELL)	SAMPLE ID: Analytes: TVF OPERATING WELLS ge in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 OBSERVATION WELL)	VACUUM (IWC) 41.8.4 44.5	SAMPLE TIME: Gas (CO/CO2/O2) PID HEADSPACE (PPM)		

	SVE	SYSTEM - MONTHLY O&M		
SVE ALARMS:		KO TANK HIGH LEVEL		
SVE SYSTEM	READING	TIME	TIME	R SETTINGS
Blower Hours (take photo)	22414.4	1310	Month	Timer Setting
Voltage In		1310	January	8 AM to 7 PM
Amperage In			February	8 AM to 7 PM
Voltage Out			March	8 AM to 8 PM
Amperage Out			April	8 AM to 9 PM
KiloWatts			May	7 AM to 9 PM
KiloWatt-Hours			June	6 AM to 9 PM
Solar Controller Status			July	6 AM to 9 PM
Pre K/O Vacuum (TWC)	-60		August	7 AM to 9 PM
Inlet Rotameter Flow (scfm)	38		September	8 AM to 9 PM
Inlet PID	157		October	8 AM to 8 PM
Exhaust PID	136.0		November	9 AM to 8 PM
Solar Panel Angle	136.7		December	8 AM to 6 PM
			Вссенност	
K/O Tank Drum Level				
K/O Liquid Drained (gallons)				
Timer Setting				
	CVIE CVI	CTEM OHADTEDI V CAMDI	INC	
	SVESY	STEM - QUARTERLY SAMPL	ing	
SAMPLE ID:		SAMPLE TIME:		
	(001 =) TIOO (00(0) T'	10 (00/000/00)		
	PH (8015), VOCs (8260), Fi	xed Gas (CO/CO2/O2)		
OPERATING WELLS	PH (8015), VOCs (8260), Fi	xed Gas (CO/CO2/O2)		
	PH (8015), VOCs (8260), Fi	xed Gas (CO/CO2/O2)		
OPERATING WELLS	PH (8015), VOCs (8260), Fi	xed Gas (CO/CO2/O2)		
	PH (8015), VOCs (8260), Fi	xed Gas (CO/CO2/O2)		
OPERATING WELLS Change in Well Operation:			ADILISTMENTS	
OPERATING WELLS	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS	
OPERATING WELLS Change in Well Operation:	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS	
OPERATING WELLS Change in Well Operation: LOCATION	VACUUM (IWC)		ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03	VACUUM (IWC)	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05	VACUUM (IWC)	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05	VACUUM (IWC)	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 VE06 (OBSERVATION WELL) VE07 (OBSERVATION WELL)	VACUUM (IWC) 42.2 43.8	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 VE06 (OBSERVATION WELL) VE07 (OBSERVATION WELL)	VACUUM (IWC) 42.2 43.8	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05	VACUUM (IWC) 42.2 43.8	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 VE06 (OBSERVATION WELL) VE07 (OBSERVATION WELL)	VACUUM (IWC) 42.2 43.8	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 VE06 (OBSERVATION WELL) VE07 (OBSERVATION WELL)	VACUUM (IWC) 42.2 43.8	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 VE06 (OBSERVATION WELL) VE07 (OBSERVATION WELL)	VACUUM (IWC) 42.2 43.8	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 VE06 (OBSERVATION WELL) VE07 (OBSERVATION WELL)	VACUUM (IWC) 42.2 43.8	PID HEADSPACE (PPM) 118.9 39.6	ADJUSTMENTS	

Voltage In January 8 A Amperage In February 8 A Voltage Out March 8 A Amperage Out April 8 A KiloWatts May 7 A KiloWatt-Hours June 6 A Solar Controller Status July 6 A Solar Controller Status July 6 A Inlet Rotameter Flow (scfm) September 8 A Inlet PID October 8 A Exhaust PID November 9 A	M to 7 PM M to 7 PM M to 8 PM M to 9 PM
Blower Hours (take photo) 22753 5 9 9 Month Time September 1 Month Time 1 Month Mo	M to 7 PM M to 7 PM M to 8 PM M to 9 PM M to 9 PM M to 9 PM
Voltage In January 8 A	M to 7 PM M to 7 PM M to 8 PM M to 9 PM M to 9 PM M to 9 PM
Amperage In February 8 A	M to 7 PM M to 8 PM M to 9 PM M to 9 PM M to 9 PM
Voltage Out March 8 A Amperage Out April 8 A KiloWatts May 7 A KiloWatt-Hours June 6 A Solar Controller Status July 6 A Pre K/O Vacuum (IWC) August 7 A Inlet Rotameter Flow (scfm) September 8 A Inlet PID October 8 A Exhaust PID November 9 A	M to 8 PM M to 9 PM M to 9 PM M to 9 PM
Amperage Out April 8 A KiloWatts May 7 A KiloWatt-Hours June 6 A Solar Controller Status July 6 A Solar Controller Status July 6 A Inlet Rotameter Flow (scfm) September 8 A Inlet PID October 8 A Exhaust PID November 9 A	M to 9 PM M to 9 PM M to 9 PM
KiloWatts May 7 A KiloWatt-Hours June 6 A Solar Controller Status July 6 A Pre K/O Vacuum (IWC) August 7 A Inlet Rotameter Flow (scfm) September 8 A Inlet PID 3 Q October 8 A Exhaust PID November 9 A	M to 9 PM M to 9 PM
KiloWatt-Hours June 6 A Solar Controller Status July 6 A Pre K/O Vacuum (IWC) August 7 A Inlet Rotameter Flow (scfm) September 8 A Inlet PID 3 O October 8 A Exhaust PID November 9 A	M to 9 PM
Solar Controller Status Fre K/O Vacuum (IWC) Inlet Rotameter Flow (scfm) Inlet PID Exhaust PID Solar Controller Status July August 7 A September 8 A October 8 A November	
Pre K/O Vacuum (IWC)	M to 9 PM
Inlet Rotameter Flow (scfm) 3 9 September 8 A Inlet PID 3 0 October 8 A Exhaust PID 16 8 November 9 A	
Inlet Rotameter Flow (scfm) 3 9 September 8 A Inlet PID 3 0 October 8 A Exhaust PID 16 8 November 9 A	M to 9 PM
Exhaust PID 116.8 November 9.4	M to 9 PM
LAHaust I ID	M to 8 PM
Solar Panel Angle December 8 A	M to 8 PM
	M to 6 PM
K/O Tank Drum Level	
K/O Liquid Drained (gallons)	
Timer Setting	
Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS	
Change in Well Operation:	
VACUUM (IWC) PID HEADSPACE (PPM) ADJUSTMENTS	
LOCATION	
SVE01	
SVE02	
SVE03	
-SVE04 73 4	
SVE05	
VE06 (OBSERVATION WELL)	
/E06 (OBSERVATION WELL)	
MMENTS/OTHER MAINTENANCE:	
OMMENTS/OTHER MAINTENANCE:	
OMMENTS/OTHER MAINTENANCE:	

DATE:	8-22	O&M PERSONNEL:	B Sincla	iv.
		TIME OFFSITE:		
	SV	E SYSTEM - MONTHLY O&N	1	
SVE ALARMS:				
SVE ALAKWS:		KO TANK HIGH LEVEL		
SVE SYSTEM	DEADDIG			ACED CETTINICS
Blower Hours (take photo)	READING	TIME		MER SETTINGS Timer Setting
Voltage In	22164.9	1140	Month	8 AM to 7 PM
Amperage In			January	8 AM to 7 PM
Voltage Out			February	8 AM to 8 PM
Amperage Out			March	8 AM to 9 PM
KiloWatts			April	7 AM to 9 PM
KiloWatt-Hours			May	6 AM to 9 PM
Solar Controller Status			June	6 AM to 9 PM
Post Pre K/O Vacuum (IWC)	-61		July	7 AM to 9 PM
Inlet Rotameter Flow (scfm)	41		August	8 AM to 9 PM
Inlet PID	8.2		September October	8 AM to 8 PM
Exhaust PID	1316		November	9 AM to 8 PM
Solar Panel Angle			December	8 AM to 6 PM
K/O Tank Drum Level			Becember	O AIVI to O I IVI
K/O Liquid Drained (gallons)				
Timer Setting				
		* COMPRESSOR SOLATON AP		
	SVE SY	STEM - QUARTERLY SAMPL	ING	
SAMPLE ID:		SAMPLE TIME:		
	VPH (8015), VOCs (8260), F.	ixed Gas (CO/CO2/O2)		
OPERATING WELLS			18 ²⁰ 10 10 10 10 10 10 10 10 10 10 10 10 10	
Change in Well Operation:				
Change in Wen Operation.				
			THE RESERVE OF THE PARTY OF THE	
LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS	
SVE01	41.4	77.7		
SVE02	43.9	6,2		
SVE03				
-SVE04		27 1/		
SVE05	15.02	33.9		
SVE06 (OBSERVATION WELL)				
SVE06 (OBSERVATION WELL) SVE07 (OBSERVATION WELL)				
	CE.			
COMMENTS/OTHER MAINTENAN	CE:			

	SVE S	YSTEM - MONTHLY O&	M	
SVE ALARMS:		KO TANK HIGH LEVEL		
SVE SYSTEM	READING	TIME	TIME	R SETTINGS
Blower Hours (take photo)	23398,5	1317	Month	Timer Setting
Voltage In	70.0	131/	January	8 AM to 7 PM
Amperage In			February	8 AM to 7 PM
Voltage Out			March	8 AM to 8 PM
Amperage Out			April	8 AM to 9 PM
KiloWatts			May	7 AM to 9 PM
KiloWatt-Hours			June	6 AM to 9 PM
Solar Controller Status			July	6 AM to 9 PM
Pre K/O Vacuum (IWC)	-60		August	7 AM to 9 PM
Inlet Rotameter Flow (scfm)	40		September	8 AM to 9 PM
Inlet PID	13.3		October	8 AM to 8 PM
Exhaust PID	109.2		November	9 AM to 8 PM
Solar Panel Angle			December	8 AM to 6 PM
K/O Tank Drum Level K/O Liquid Drained (gallons)				
K / I I I I/IIII// I Iraina// (mallone)				
Timer Setting SAMPLE ID:	5/8/ F-1	EM - QUARTERLY SAMP SAMPLE TIME:	LING	
Timer Setting SAMPLE ID:	SVE SYST (VPH (8015), VOCs (8260), Fixed	SAMPLE TIME:	LING	
SAMPLE ID: Analytes: 7	5/8/ F-1	SAMPLE TIME:	LING	
SAMPLE ID: Analytes: OPERATING WELLS Change in Well Operation:	TVPH (8015), VOCs (8260), Fixed	SAMPLE TIME: d Gas (CO/CO2/O2)		
SAMPLE ID: Analytes: OPERATING WELLS Change in Well Operation: LOCATION	VACUUM (IWC)	SAMPLE TIME:		
SAMPLE ID: Analytes: 7 OPERATING WELLS Change in Well Operation: LOCATION SVE01	TVPH (8015), VOCs (8260), Fixed	SAMPLE TIME: d Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SAMPLE ID: Analytes: OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02	VACUUM (IWC)	SAMPLE TIME: d Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SAMPLE ID: Analytes: OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02 SVE03	VACUUM (IWC) 40.6 42.2	PID HEADSPACE (PPM) \$ 9.3 11.6		
SAMPLE ID: Analytes: OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04	VACUUM (IWC)	SAMPLE TIME: d Gas (CO/CO2/O2) PID HEADSPACE (PPM)		
SAMPLE ID: Analytes: 7 OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 E06 (OBSERVATION WELL)	VACUUM (IWC) 40.6 42.2	PID HEADSPACE (PPM) \$ 9.3 11.6		
SAMPLE ID: Analytes: 7 OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 TE06 (OBSERVATION WELL)	VACUUM (IWC) 40.6 42.2	PID HEADSPACE (PPM) \$ 9.3 11.6		
SAMPLE ID: Analytes: 7 OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 E06 (OBSERVATION WELL) E07 (OBSERVATION WELL)	VACUUM (IWC) 40.6 42.2	PID HEADSPACE (PPM) \$ 9.3 11.6		
SAMPLE ID: Analytes: 7 OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 E06 (OBSERVATION WELL) E07 (OBSERVATION WELL)	VACUUM (IWC) 40.6 42.2	PID HEADSPACE (PPM) \$ 9.3 11.6		
SAMPLE ID: Analytes: 7 OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 E06 (OBSERVATION WELL) E07 (OBSERVATION WELL)	VACUUM (IWC) 40.6 42.2	PID HEADSPACE (PPM) \$ 9.3 11.6		
SAMPLE ID: Analytes: OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE05 E06 (OBSERVATION WELL) E07 (OBSERVATION WELL)	VACUUM (IWC) 40.6 42.2	PID HEADSPACE (PPM) \$ 9.3 11.6		
SAMPLE ID: Analytes: OPERATING WELLS Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04	VACUUM (IWC) 40.6 42.2	PID HEADSPACE (PPM) \$ 9.3 11.6		



APPENDIX B

Project Photographs

PROJECT PHOTOGRAPHS

Scott 4M San Juan County, New Mexico Hilcorp Energy Company

Photograph 1

Runtime meter taken on June 13, 2024 at 12:34 PM Hours = 21,288.2



Photograph 2

Runtime meter taken on September 18, 2024 at 1:32 PM Hours = 23,614.8





APPENDIX C

Laboratory Analytical Reports

PREPARED FOR

Attn: Mitch Killough Hilcorp Energy PO BOX 4700 Farmington, New Mexico 87499

Generated 10/10/2024 5:23:56 PM

JOB DESCRIPTION

Scott 4M

JOB NUMBER

885-12289-1

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

Generated 10/10/2024 5:23:56 PM

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

10/10/2024

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Laboratory Job ID: 885-12289-1

Client: Hilcorp Energy Project/Site: Scott 4M

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QC Sample Results	8
QC Association Summary	14
Lab Chronicle	15
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Subcontract Data	19
Chain of Custody	24
Receint Checklists	25

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Definitions/Glossary

Client: Hilcorp Energy

Job ID: 885-12289-1

Project/Site: Scott 4M

Qualifiers

GC/MS VOA

Qualifier Description

H Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

MDA

MDC

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
CFU	Colony Forming Unit
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)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"

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)

Minimum Detectable Activity (Radiochemistry)

Minimum Detectable Concentration (Radiochemistry)

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

Case Narrative

Client: Hilcorp Energy Job ID: 885-12289-1 Project: Scott 4M

Job ID: 885-12289-1 **Eurofins Albuquerque**

> Job Narrative 885-12289-1

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 9/20/2024 7:15 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 17.2°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

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

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

Client Sample Results

Client: Hilcorp Energy Job ID: 885-12289-1

Project/Site: Scott 4M

Client Sample ID: SVE-1 Lab Sample ID: 885-12289-1 Date Collected: 09/18/24 13:30

Matrix: Air

Date Received: 09/20/24 07:15 Sample Container: Tedlar Bag 1L

Released to Imaging: 10/25/2024 12:55:36 PM

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 -	270	H	25	ug/L			10/02/24 14:19	5
C10]								

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		52 - 172	10/02/24 14:	9 0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND -	5.0	ug/L			10/02/24 14:19	- 5
1,1,1-Trichloroethane	ND	5.0	ug/L			10/02/24 14:19	5
1,1,2,2-Tetrachloroethane	ND	10	ug/L			10/02/24 14:19	5
1,1,2-Trichloroethane	ND	5.0	ug/L			10/02/24 14:19	5
1,1-Dichloroethane	ND	5.0	ug/L			10/02/24 14:19	5
1,1-Dichloroethene	ND	5.0	ug/L			10/02/24 14:19	5
1,1-Dichloropropene	ND	5.0	ug/L			10/02/24 14:19	5
1,2,3-Trichlorobenzene	ND	5.0	ug/L			10/02/24 14:19	5
1,2,3-Trichloropropane	ND	10	ug/L			10/02/24 14:19	5
1,2,4-Trichlorobenzene	ND	5.0	ug/L			10/02/24 14:19	5
1,2,4-Trimethylbenzene	ND	5.0	ug/L			10/02/24 14:19	5
1,2-Dibromo-3-Chloropropane	ND	10	ug/L			10/02/24 14:19	5
1,2-Dibromoethane (EDB)	ND	5.0	ug/L			10/02/24 14:19	5
1,2-Dichlorobenzene	ND	5.0	ug/L			10/02/24 14:19	5
1,2-Dichloroethane (EDC)	ND	5.0	ug/L			10/02/24 14:19	5
1,2-Dichloropropane	ND	5.0	ug/L			10/02/24 14:19	5
1,3,5-Trimethylbenzene	7.4	5.0	ug/L			10/02/24 14:19	5
1,3-Dichlorobenzene	ND	5.0	ug/L			10/02/24 14:19	5
1,3-Dichloropropane	ND	5.0	ug/L			10/02/24 14:19	
1,4-Dichlorobenzene	ND	5.0	ug/L			10/02/24 14:19	5
1-Methylnaphthalene	ND	20	ug/L			10/02/24 14:19	5
2,2-Dichloropropane	ND	10	ug/L			10/02/24 14:19	5
2-Butanone	ND	50	ug/L			10/02/24 14:19	5
2-Chlorotoluene	ND	5.0	ug/L			10/02/24 14:19	5
2-Hexanone	ND	50	ug/L			10/02/24 14:19	
2-Methylnaphthalene	ND	20	ug/L			10/02/24 14:19	5
4-Chlorotoluene	ND	5.0	ug/L			10/02/24 14:19	5
4-Isopropyltoluene	ND	5.0	ug/L			10/02/24 14:19	5
4-Methyl-2-pentanone	ND	50	ug/L			10/02/24 14:19	5
Acetone	ND	50	ug/L			10/02/24 14:19	5
Benzene	10	5.0	ug/L			10/02/24 14:19	
Bromobenzene	ND	5.0	ug/L			10/02/24 14:19	5
Bromodichloromethane	ND	5.0	ug/L			10/02/24 14:19	5
Dibromochloromethane	ND	5.0	ug/L			10/02/24 14:19	
Bromoform	ND	5.0	ug/L			10/02/24 14:19	5
Bromomethane	ND	15	ug/L			10/02/24 14:19	5
Carbon disulfide	ND	50	ug/L			10/02/24 14:19	5
Carbon tetrachloride	ND	5.0	ug/L			10/02/24 14:19	5
Chlorobenzene	ND	5.0	ug/L			10/02/24 14:19	5
Chloroethane	ND	10	ug/L			10/02/24 14:19	
Chloroform	ND	5.0	ug/L			10/02/24 14:19	5

Job ID: 885-12289-1

Client: Hilcorp Energy Project/Site: Scott 4M

Client Sample ID: SVE-1

Lab Sample ID: 885-12289-1

Matrix: Air

Date Collected: 09/18/24 13:30 Date Received: 09/20/24 07:15 Sample Container: Tedlar Bag 1L

Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Chloromethane	ND ND	15	ug/L		10/02/24 14:19	5
cis-1,2-Dichloroethene	ND	5.0	ug/L		10/02/24 14:19	5
cis-1,3-Dichloropropene	ND	5.0	ug/L		10/02/24 14:19	5
Dibromomethane	ND	5.0	ug/L		10/02/24 14:19	5
Dichlorodifluoromethane	ND	5.0	ug/L		10/02/24 14:19	5
Ethylbenzene	ND	5.0	ug/L		10/02/24 14:19	5
Hexachlorobutadiene	ND	5.0	ug/L		10/02/24 14:19	5
Isopropylbenzene	ND	5.0	ug/L		10/02/24 14:19	5
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/L		10/02/24 14:19	5
Methylene Chloride	ND	15	ug/L		10/02/24 14:19	5
n-Butylbenzene	ND	15	ug/L		10/02/24 14:19	5
N-Propylbenzene	ND	5.0	ug/L		10/02/24 14:19	5
Naphthalene	ND	10	ug/L		10/02/24 14:19	5
sec-Butylbenzene	ND	5.0	ug/L		10/02/24 14:19	5
Styrene	ND	5.0	ug/L		10/02/24 14:19	5
tert-Butylbenzene	ND	5.0	ug/L		10/02/24 14:19	5
Tetrachloroethene (PCE)	ND	5.0	ug/L		10/02/24 14:19	5
Toluene	62	5.0	ug/L		10/02/24 14:19	5
trans-1,2-Dichloroethene	ND	5.0	ug/L		10/02/24 14:19	5
trans-1,3-Dichloropropene	ND	5.0	ug/L		10/02/24 14:19	5
Trichloroethene (TCE)	ND	5.0	ug/L		10/02/24 14:19	5
Trichlorofluoromethane	ND	5.0	ug/L		10/02/24 14:19	5
Vinyl chloride	ND	5.0	ug/L		10/02/24 14:19	5
Xylenes, Total	69	7.5	ug/L		10/02/24 14:19	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		70 - 130		10/02/24 14:19	5
Toluene-d8 (Surr)	113		70 - 130		10/02/24 14:19	5
4-Bromofluorobenzene (Surr)	102		70 - 130		10/02/24 14:19	5
Dibromofluoromethane (Surr)	94		70 - 130		10/02/24 14:19	5

QC Sample Results

Client: Hilcorp Energy Job ID: 885-12289-1

Project/Site: Scott 4M

10/02/24 11:28

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

Lab Sample ID: MB 885-13549/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Air Analysis Batch: 13549

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac

MB MB

ND

LCS LCS

Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 52 - 172 4-Bromofluorobenzene (Surr) 81 10/02/24 11:28

5.0

ug/L

Lab Sample ID: LCS 885-13549/3 Client Sample ID: Lab Control Sample

Matrix: Air Prep Type: Total/NA

Analysis Batch: 13549

Gasoline Range Organics [C6 - C10]

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 4250 4100 ug/L 97 70 - 130 Gasoline Range Organics [C6 -

C10]

%Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 91 52 - 172

Client Sample ID: SVE-1 Matrix: Air Prep Type: Total/NA

Lab Sample ID: 885-12289-1 DU

Analysis Batch: 13549

Sample Sample DU DU **RPD** Result Qualifier Result Qualifier RPD Limit Analyte Unit 270 Н Gasoline Range Organics [C6 -255 ug/L 20

C10]

DU DU Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 88 52 - 172

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

Lab Sample ID: MB 885-13499/1005 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Air

Analysis Batch: 13499

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	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			10/02/24 13:30	1
1,1,1-Trichloroethane	ND		1.0	ug/L			10/02/24 13:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			10/02/24 13:30	1
1,1,2-Trichloroethane	ND		1.0	ug/L			10/02/24 13:30	1
1,1-Dichloroethane	ND		1.0	ug/L			10/02/24 13:30	1
1,1-Dichloroethene	ND		1.0	ug/L			10/02/24 13:30	1
1,1-Dichloropropene	ND		1.0	ug/L			10/02/24 13:30	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			10/02/24 13:30	1
1,2,3-Trichloropropane	ND		2.0	ug/L			10/02/24 13:30	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			10/02/24 13:30	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			10/02/24 13:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			10/02/24 13:30	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			10/02/24 13:30	1
1,2-Dichlorobenzene	ND		1.0	ug/L			10/02/24 13:30	1

QC Sample Results

Client: Hilcorp Energy Job ID: 885-12289-1

Project/Site: Scott 4M

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

мв мв

Lab Sample ID: MB 885-13499/1005

Matrix: Air

Analysis Batch: 13499

Client Sample ID: Method Blank

Prep Type: Total/NA

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Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
I,2-Dichloroethane (EDC)		1.0	ug/L		10/02/24 13:30	1
1,2-Dichloropropane	ND	1.0	ug/L		10/02/24 13:30	1
1,3,5-Trimethylbenzene	ND	1.0	ug/L		10/02/24 13:30	1
1,3-Dichlorobenzene	ND	1.0	ug/L		10/02/24 13:30	1
1,3-Dichloropropane	ND	1.0	ug/L		10/02/24 13:30	1
1,4-Dichlorobenzene	ND	1.0	ug/L		10/02/24 13:30	1
1-Methylnaphthalene	ND	4.0	ug/L		10/02/24 13:30	1
2,2-Dichloropropane	ND	2.0	ug/L		10/02/24 13:30	1
2-Butanone	ND	10	ug/L		10/02/24 13:30	1
2-Chlorotoluene	ND	1.0	ug/L		10/02/24 13:30	1
2-Hexanone	ND	10	ug/L		10/02/24 13:30	·
2-Methylnaphthalene	ND	4.0	ug/L		10/02/24 13:30	1
4-Chlorotoluene	ND	1.0	ug/L		10/02/24 13:30	1
4-Isopropyltoluene	ND	1.0	ug/L		10/02/24 13:30	· · · · · · · · · · · · · · · · · · ·
4-Methyl-2-pentanone	ND	10	ug/L		10/02/24 13:30	1
Acetone	ND	10	ug/L		10/02/24 13:30	1
Benzene	ND	1.0	ug/L ug/L		10/02/24 13:30	· · · · · · · · · · · · · · · · · · ·
Bromobenzene	ND	1.0	ug/L ug/L		10/02/24 13:30	1
Bromodichloromethane	ND	1.0	ug/L		10/02/24 13:30	1
Dibromochloromethane	ND	1.0			10/02/24 13:30	
Bromoform	ND ND	1.0	ug/L		10/02/24 13:30	1
	ND ND		ug/L			1
Bromomethane Carbon disulfide		3.0	ug/L		10/02/24 13:30 10/02/24 13:30	
Carbon distillide Carbon tetrachloride	ND ND	10 1.0	ug/L		10/02/24 13:30	1
	ND ND	1.0	ug/L		10/02/24 13:30	1
Chlorobenzene Chloroethane			ug/L			
	ND	2.0	ug/L		10/02/24 13:30	1
Chlorogory	ND ND	1.0	ug/L		10/02/24 13:30	1
Chloromethane		3.0	ug/L		10/02/24 13:30	
cis-1,2-Dichloroethene	ND	1.0	ug/L		10/02/24 13:30	1
cis-1,3-Dichloropropene	ND	1.0	ug/L		10/02/24 13:30	1
Dibromomethane	ND	1.0	ug/L		10/02/24 13:30	
Dichlorodifluoromethane	ND	1.0	ug/L		10/02/24 13:30	1
Ethylbenzene	ND	1.0	ug/L		10/02/24 13:30	1
Hexachlorobutadiene	ND	1.0	ug/L		10/02/24 13:30	1
Isopropylbenzene	ND	1.0	ug/L		10/02/24 13:30	1
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/L		10/02/24 13:30	1
Methylene Chloride	ND	3.0	ug/L		10/02/24 13:30	
n-Butylbenzene	ND	3.0	ug/L		10/02/24 13:30	1
N-Propylbenzene	ND	1.0	ug/L		10/02/24 13:30	1
Naphthalene	ND	2.0	ug/L		10/02/24 13:30	1
sec-Butylbenzene	ND	1.0	ug/L		10/02/24 13:30	1
Styrene	ND	1.0	ug/L		10/02/24 13:30	1
tert-Butylbenzene	ND	1.0	ug/L		10/02/24 13:30	1
Tetrachloroethene (PCE)	ND	1.0	ug/L		10/02/24 13:30	1
Toluene	ND	1.0	ug/L		10/02/24 13:30	1
trans-1,2-Dichloroethene	ND	1.0	ug/L		10/02/24 13:30	1
trans-1,3-Dichloropropene	ND	1.0	ug/L		10/02/24 13:30	1
Trichloroethene (TCE)	ND	1.0	ug/L		10/02/24 13:30	1
monordenene (TCL)			J			

Client: Hilcorp Energy

Job ID: 885-12289-1

Project/Site: Scott 4M

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

Lab Sample ID: MB 885-13499/1005

Matrix: Air

Vinyl chloride

Analyte

Analysis Batch: 13499

Client Sample ID: Method Blank

Prep Type: Total/NA

мв мв Result Qualifier RL Unit D Analyzed Dil Fac Prepared ND 1.0 ug/L 10/02/24 13:30

Xylenes, Total ND 1.5 ug/L 10/02/24 13:30 MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed

1,2-Dichloroethane-d4 (Surr) 95 70 - 130 10/02/24 13:30 Toluene-d8 (Surr) 97 70 - 130 10/02/24 13:30 4-Bromofluorobenzene (Surr) 70 - 130 10/02/24 13:30 93 Dibromofluoromethane (Surr) 101 70 - 130 10/02/24 13:30

Lab Sample ID: MB 885-13499/5

Matrix: Air

Analysis Batch: 13499

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			10/02/24 13:30	1
1,1,1-Trichloroethane	ND		1.0	ug/L			10/02/24 13:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			10/02/24 13:30	1
1,1,2-Trichloroethane	ND		1.0	ug/L			10/02/24 13:30	1
1,1-Dichloroethane	ND		1.0	ug/L			10/02/24 13:30	1
1,1-Dichloroethene	ND		1.0	ug/L			10/02/24 13:30	1
1,1-Dichloropropene	ND		1.0	ug/L			10/02/24 13:30	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			10/02/24 13:30	1
1,2,3-Trichloropropane	ND		2.0	ug/L			10/02/24 13:30	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			10/02/24 13:30	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			10/02/24 13:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			10/02/24 13:30	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			10/02/24 13:30	1
1,2-Dichlorobenzene	ND		1.0	ug/L			10/02/24 13:30	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			10/02/24 13:30	1
1,2-Dichloropropane	ND		1.0	ug/L			10/02/24 13:30	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			10/02/24 13:30	1
1,3-Dichlorobenzene	ND		1.0	ug/L			10/02/24 13:30	1
1,3-Dichloropropane	ND		1.0	ug/L			10/02/24 13:30	1
1,4-Dichlorobenzene	ND		1.0	ug/L			10/02/24 13:30	1
1-Methylnaphthalene	ND		4.0	ug/L			10/02/24 13:30	1
2,2-Dichloropropane	ND		2.0	ug/L			10/02/24 13:30	1
2-Butanone	ND		10	ug/L			10/02/24 13:30	1
2-Chlorotoluene	ND		1.0	ug/L			10/02/24 13:30	1
2-Hexanone	ND		10	ug/L			10/02/24 13:30	1
2-Methylnaphthalene	ND		4.0	ug/L			10/02/24 13:30	1
4-Chlorotoluene	ND		1.0	ug/L			10/02/24 13:30	1
4-Isopropyltoluene	ND		1.0	ug/L			10/02/24 13:30	1
4-Methyl-2-pentanone	ND		10	ug/L			10/02/24 13:30	1
Acetone	ND		10	ug/L			10/02/24 13:30	1
Benzene	ND		1.0	ug/L			10/02/24 13:30	1
Bromobenzene	ND		1.0	ug/L			10/02/24 13:30	1
Bromodichloromethane	ND		1.0	ug/L			10/02/24 13:30	1
Dibromochloromethane	ND		1.0	ug/L			10/02/24 13:30	1

QC Sample Results

Job ID: 885-12289-1 Client: Hilcorp Energy

RL

Unit

ug/L

Project/Site: Scott 4M

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

мв мв

Qualifier

Result

Lab Sample ID: MB 885-13499/5 Matrix: Air

Analysis Batch: 13499

Client Sample ID: Method Blank

Prep Type: Total/NA

כ	Prepared	Analyzed	Dil Fac	
_		10/02/24 13:30	1	

Analyte ND 1.0 Bromoform ug/L Bromomethane ND 3.0 ug/L 10/02/24 13:30 Carbon disulfide ND 10/02/24 13:30 10 ug/L Carbon tetrachloride ND 1.0 ug/L 10/02/24 13:30 ug/L Chlorobenzene ND 1.0 10/02/24 13:30 Chloroethane ND 2.0 ug/L 10/02/24 13:30 Chloroform ND ug/L 10/02/24 13:30 1.0 Chloromethane ND 3.0 ug/L 10/02/24 13:30 cis-1,2-Dichloroethene ND 1.0 ug/L 10/02/24 13:30 cis-1,3-Dichloropropene ND 1.0 ug/L 10/02/24 13:30 Dibromomethane ND 1.0 ug/L 10/02/24 13:30 ND Dichlorodifluoromethane 1.0 ug/L 10/02/24 13:30 Ethylbenzene ND 1.0 ug/L 10/02/24 13:30 Hexachlorobutadiene ND 1.0 ug/L 10/02/24 13:30 ND 10/02/24 13:30 Isopropylbenzene 1.0 ug/L Methyl-tert-butyl Ether (MTBE) NΠ 1.0 ug/L 10/02/24 13:30 Methylene Chloride ND 3.0 ug/L 10/02/24 13:30 ug/L n-Butylbenzene ND 3.0 10/02/24 13:30 N-Propylbenzene ND 1.0 ug/L 10/02/24 13:30 Naphthalene ND 2.0 ug/L 10/02/24 13:30 sec-Butylbenzene ND 1.0 ug/L 10/02/24 13:30

1.0

1.0

1.0

1.0

1.0

1.0

1.0

1.0

1.0

15

ND

	IVID IVID				
Surrogate	%Recovery Quality	fier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95	70 - 130		10/02/24 13:30	1
Toluene-d8 (Surr)	97	70 - 130		10/02/24 13:30	1
4-Bromofluorobenzene (Surr)	93	70 - 130		10/02/24 13:30	1
Dibromofluoromethane (Surr)	101	70 - 130		10/02/24 13:30	1

Lab Sample ID: LCS 885-13499/4

Matrix: Air

1,1-Dichloroethene Benzene Chlorobenzene Toluene

Trichloroethene (TCE)

Analyte

Styrene tert-Butylbenzene

Toluene

Tetrachloroethene (PCE)

trans-1,2-Dichloroethene

trans-1,3-Dichloropropene

Trichloroethene (TCE)

Trichlorofluoromethane

Vinyl chloride

Xylenes, Total

Analysis Batch: 13499

Client Sample ID: Lab Control Sample Prep Type: Total/NA

10/02/24 13:30

10/02/24 13:30

10/02/24 13:30

10/02/24 13:30

10/02/24 13:30

10/02/24 13:30

10/02/24 13:30

10/02/24 13:30

10/02/24 13:30

10/02/24 13:30

Spike	LCS	LCS			%Rec	
Added	Result	Qualifier Unit	D	%Rec	Limits	
20.1	21.2	ug/L		105	70 - 130	
20.1	23.0	ug/L		114	70 - 130	
20.1	20.5	ug/L		102	70 - 130	
20.2	20.9	ug/L		104	70 - 130	
20.2	21.1	ug/L		105	70 - 130	

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Job ID: 885-12289-1

Client: Hilcorp Energy Project/Site: Scott 4M

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

Lab Sample ID: LCS 885-13499/4

Matrix: Air

Analysis Batch: 13499

Client Sample ID: Lab Control Sample Prep Type: Total/NA

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130

Lab Sample ID: 885-12289-1 DU Client Sample ID: SVE-1 Matrix: Air

Analysis Batch: 13499

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Prep Type: Total/NA

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limi
1,1,1,2-Tetrachloroethane	ND		ND		ug/L		NC	20
1,1,1-Trichloroethane	ND		ND		ug/L		NC	20
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	ND		ND		ug/L		NC	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	7.4		6.84		ug/L		8	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		ug/L		NC	20
2-Hexanone	ND		ND		ug/L		NC	20
2-Methylnaphthalene	ND		ND		ug/L		NC	20
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	10		9.77		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

QC Sample Results

Client: Hilcorp Energy Job ID: 885-12289-1

Project/Site: Scott 4M

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

Lab Sample ID: 885-12289-1 DU Matrix: Air

Analysis Batch: 13499

Client Sample ID: SVE-1

Prep Type: Total/NA

Пер	Type.	IotaliiA	
		RPD	

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
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	ND		ND		ug/L		NC	20
Hexachlorobutadiene	ND		ND		ug/L		NC	20
Isopropylbenzene	ND		ND		ug/L		NC	20
Methyl-tert-butyl Ether (MTBE)	ND		ND		ug/L		NC	20
Methylene Chloride	ND		ND		ug/L		NC	20
n-Butylbenzene	ND		ND		ug/L		NC	20
N-Propylbenzene	ND		ND		ug/L		NC	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	62		57.5		ug/L		7	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	69		65.2		ug/L		6	20

DU	DU	
JU	טט	

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130

QC Association Summary

Client: Hilcorp Energy Job ID: 885-12289-1 Project/Site: Scott 4M

GC/MS VOA

Analysis Batch: 13499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12289-1	SVE-1	Total/NA	Air	8260B	
MB 885-13499/1005	Method Blank	Total/NA	Air	8260B	
MB 885-13499/5	Method Blank	Total/NA	Air	8260B	
LCS 885-13499/4	Lab Control Sample	Total/NA	Air	8260B	
885-12289-1 DU	SVE-1	Total/NA	Air	8260B	

Analysis Batch: 13549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12289-1	SVE-1	Total/NA	Air	8015M/D	
MB 885-13549/4	Method Blank	Total/NA	Air	8015M/D	
LCS 885-13549/3	Lab Control Sample	Total/NA	Air	8015M/D	
885-12289-1 DU	SVE-1	Total/NA	Air	8015M/D	

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-12289-1

Project/Site: Scott 4M

Client Sample ID: SVE-1 Lab Sample ID: 885-12289-1 Date Collected: 09/18/24 13:30

Matrix: Air

Date Received: 09/20/24 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015M/D		5	13549	СМ	EET ALB	10/02/24 14:19
Total/NA	Analysis	8260B		5	13499	CM	EET ALB	10/02/24 14:19

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

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-12289-1

Project/Site: Scott 4M

Laboratory: Eurofins Albuquerque

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

thority	Progra	am	Identification Number	Expiration Date
w Mexico	State		NM9425, NM0901	02-26-25
The following analytes	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This lis	st may include analyte
for which the agency de	oes 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-Chloroprop	pane
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	
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	

Air

Air

Air

Air

Air

Air

Air

Air

Eurofins Albuquerque

Carbon tetrachloride

Chlorobenzene

Chloromethane

cis-1,2-Dichloroethene

cis-1,3-Dichloropropene

Dibromochloromethane

Chloroethane

Chloroform

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8260B

8260B

8260B

8260B

8260B

8260B

8260B

8260B

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-12289-1

Client: Hilcorp Energy
Project/Site: Scott 4M

Laboratory: Eurofins Albuquerque (Continued)

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

Authority	Progr	am	Identification Number	Expiration Date
• ,	•	ut the laboratory is not certif	fied by the governing authority. This	ist may include analytes
0 ,	oes not offer certification.	NA-A-i	A I 4	
Analysis Method 8260B	Prep Method	Matrix Air	Analyte Dibromomethane	
8260B		Air	Dichlorodifluoromethane	
8260B		Air		
			Ethylbenzene	
8260B		Air	Hexachlorobutadiene	
8260B		Air	Isopropylbenzene	
8260B		Air	Methylene Chloride	
8260B		Air	Methyl-tert-butyl Ether (N	/ITBE)
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-Dichloroproper	ne
8260B		Air	Trichloroethene (TCE)	
8260B		Air	Trichlorofluoromethane	
8260B		Air	Vinyl chloride	
8260B		Air	Xylenes, Total	
02000		All	Aylelles, Iolai	
Dregon	NELA	Р	NM100001	02-26-25

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			
B015M/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			

Eurofins Albuquerque

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Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-12289-1

Project/Site: Scott 4M

Laboratory: Eurofins Albuquerque (Continued)

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

ority	Progr	am	Identification Number Expiration	n Date				
	are included in this report, but the second offer certification.	ut the laboratory is not certif	ied by the governing authority. This list may include	analyt				
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 Chlorobenze						
8260B		Air	Chloroethane					
8260B		Air	Chloroform					
8260B		Air	Chloromethane					
8260B		Air	cis-1,2-Dichloroethene					
8260B		Air	cis-1,3-Dichloropropene					
8260B		Air Dibromochloron						
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-Dichlo						
8260B		Air	trans-1,3-Dichloropropene					
8260B		Air	Trichloroethene (TCE)					
8260B		Air	Trichlorofluoromethane					
8260B		Vinyl chloride						
8260B		Air	Xylenes, Total					

Eurofins Albuquerque

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ANALYTICAL SUMMARY REPORT

September 27, 2024

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

Quote ID: B15626 Work Order: B24092169

Project Name: Scott 4M, 88501698

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 9/24/2024 for analysis.

• • • • • • • • • • • • • • • • • • • •	•	•		•
Lab ID	Client Sample ID	Collect Date Receive Date	Matrix	Test
B24092169-001	SVE-1 (885-12289-1)	09/18/24 13:30 09/24/24	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. 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 **Report Date:** 09/27/24 Project: Scott 4M, 88501698 Collection Date: 09/18/24 13:30 Lab ID: DateReceived: 09/24/24 B24092169-001 Client Sample ID: SVE-1 (885-12289-1) Matrix: Air

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	22.10	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Nitrogen	77.81	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Carbon Dioxide	0.06	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Hydrogen Sulfide	< 0.01	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Methane	< 0.01	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Ethane	< 0.01	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Propane	< 0.01	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Isobutane	< 0.01	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
n-Butane	< 0.01	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Isopentane	< 0.01	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
n-Pentane	< 0.01	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Hexanes plus	0.03	Mol %		0.01		GPA 2261-95	09/25/24 11:29 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-95	09/25/24 11:29 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	09/25/24 11:29 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	09/25/24 11:29 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	09/25/24 11:29 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	09/25/24 11:29 / jrj
Hexanes plus	0.013	gpm		0.001		GPA 2261-95	09/25/24 11:29 / jrj
GPM Total	0.013	gpm		0.001		GPA 2261-95	09/25/24 11:29 / jrj
GPM Pentanes plus	0.013	gpm		0.001		GPA 2261-95	09/25/24 11:29 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	1			1		GPA 2261-95	09/25/24 11:29 / jrj
Net BTU per cu ft @ std cond. (LHV)	1			1		GPA 2261-95	09/25/24 11:29 / jrj
Pseudo-critical Pressure, psia	546			1		GPA 2261-95	09/25/24 11:29 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-95	09/25/24 11:29 / jrj
Specific Gravity @ 60/60F	0.999			0.001		D3588-81	09/25/24 11:29 / jrj
Air, % - The analysis was not corrected for air.	100.97			0.01		GPA 2261-95	09/25/24 11:29 / jrj
0011151170							

COMMENTS

09/25/24 11:29 / 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

RL - Analyte Reporting Limit Report **Definitions:**

QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

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QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B24092169 Report Date: 09/27/24

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-95									Batch:	R429509
Lab ID:	B24092171-001ADUP	12 Sar	nple Duplic	ate			Run: GCNG	A-B_240925A		09/25/	24 01:07
Oxygen			18.9	Mol %	0.01				0.5	20	
Nitrogen			78.5	Mol %	0.01				0.1	20	
Carbon D	ioxide		2.52	Mol %	0.01				1.2	20	
Hydrogen	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	
Isobutane			<0.01	Mol %	0.01					20	
n-Butane			<0.01	Mol %	0.01					20	
Isopentan	е		<0.01	Mol %	0.01					20	
n-Pentane)		<0.01	Mol %	0.01					20	
Hexanes	olus		0.11	Mol %	0.01				8.7	20	
Lab ID:	LCS092524	11 Lab	oratory Co	ntrol Sample			Run: GCNG	A-B_240925A		09/25/	24 02:45
Oxygen			0.65	Mol %	0.01	130	70	130			
Nitrogen			6.12	Mol %	0.01	102	70	130			
Carbon D	ioxide		0.98	Mol %	0.01	99	70	130			
Methane			75.0	Mol %	0.01	100	70	130			
Ethane			5.99	Mol %	0.01	100	70	130			
Propane			5.02	Mol %	0.01	102	70	130			
Isobutane			1.40	Mol %	0.01	70	70	130			
n-Butane			1.99	Mol %	0.01	99	70	130			
Isopentan	е		1.01	Mol %	0.01	101	70	130			
n-Pentane)		1.00	Mol %	0.01	100	70	130			
Hexanes	olus		0.79	Mol %	0.01	99	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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Work Order Receipt Checklist

Hall Environmental B24092169

_ogin completed by:	Danielle N. Harris		Date	Received: 9/24/2024				
Reviewed by:	mstephens	Received by: SAY						
Reviewed Date:	9/25/2024	Carrier name: FedEx NDA						
Shipping container/cooler in	good condition?	Yes 🗸	No 🗌	Not Present				
Custody seals intact on all s	hipping container(s)/cooler(s)?	Yes	No 🗌	Not Present ✓				
Custody seals intact on all s	ample bottles?	Yes	No 🗌	Not Present ✓				
Chain of custody present?		Yes ✓	No 🗌					
Chain of custody signed who	en relinquished and received?	Yes ✓	No 🗌					
Chain of custody agrees with	h sample labels?	Yes ✓	No 🗌					
Samples in proper container	/bottle?	Yes ✓	No 🗌					
Sample containers intact?		Yes ✓	No 🗌					
Sufficient sample volume for	r indicated test?	Yes ✓	No 🗌					
All samples received within I Exclude analyses that are c such as pH, DO, Res CI, Su	considered field parameters	Yes 🗸	No 🗌					
Гетр Blank received in all s	hipping container(s)/cooler(s)?	Yes	No 🔽	Not Applicable				
Container/Temp Blank temp	erature:	21.5°C No Ice						
Containers requiring zero he bubble that is <6mm (1/4").	eadspace have no headspace or	Yes	No 🗌	No VOA vials submitted ✓				
Vater - pH acceptable upon	•	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 | Environment Testing Vote: Since laboratory accreditations are subject to change. Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample stripment is forwarded under chain-of-custody. If the aboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested Company ELI-Billing Special Instructions/Note Ver: 05/06/2024 Company Company B24092169 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont Preservation Codes 5560 Job #. 885-12289-1 COC No: 885-2088.1 Page: Page 1 of 1 Total Number of containers Date/Time: 09-24-24 Date/Time: Date/Time Aethod of Shipment State of Origin: New Mexico **Analysis Requested** Special Instructions/QC Requirements: Accreditations Required (See note): NELAP - Oregon; State - New Mexico E-Mail: michelle.garcia@et.eurofinsus.com sceived by eceived by Chain of Custody Record Lab PM: Garcia, Michelle SUB (Fixed Gases)/ Fixed Gases Perform MS/MSD (Yes or No) Matrix (W=water, S=solid, O=waste/o Preservation Code: Air Company Sample Type (C=comp, G=grab) O Primary Deliverable Rank: 2 Sample Mountain 13:30 (days) Due Date Requested: 9/27/2024 Sample Date 9/18/24 Project #: 88501698 Date/Time: hone: # OM Client Information (Sub Contract Lab) Jnconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. Sample Identification - Client ID (Lab ID) Albuquerque, NM 87109 Phone: 505-345-3975 Fax: 505-345-4107 Possible Hazard Identification **Empty Kit Relinquished by** Energy Laboratories, Inc. Custody Seals Intact:

Δ Yes Δ No 1120 South 27th Street SVE-1 (885-12289-1) Shipping/Receiving 406-252-6325(Tel) 4901 Hawkins NE

Page 5 of 5 10/10/2024

inquished by:

linquished by:

State, Zip: MT, 59101

Billings

Project Name Scott 4M

	ANALYSIS LABOR 以記	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 8710 th 885-12289 CCC		Anal	[†] O\$	oO4, S	1) (1) (2) (1)	5/80 5/80 8 10 8 10 8 10	side org stals org stals org org org org org org org org org org	ethodelettogeness	8081 P6 8081 P6 8081 P6 PPHs b RCRA 8 CI, F, E 8250 (V 8270 (S Total Co								Remarks:		bility. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time:	Standard Rush	Project Name:	Scott 4M	Project #:		Project Manager:	, ,,,	7. 7. 7.	□ Yes W No Chirk.		Cooler Temp(including CF): 17. 3-0.1= 17.2 (°C)	Container Preservative HEAL No.	_							Via: Date Time	Received by: Via: Caune Date Time	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report
-Custody Record			Mailing Address:	10.0	Phone #:	randon, Sinclair Ohilcorp.	QA/QC Package:	n:	□ Other	□ EDD (Type)		Date Time Matrix Sample Name	Jair	25		31	The state of the s			Time: 13/4	Date: Time: Relinquished by:	

Released to Imaging: 10/25/2024 12:55:36 PM

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-12289-1

Login Number: 12289 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

oreator. Ousun usias, macy		
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	

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

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

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

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

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

CONDITIONS

Action 392557

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	392557
	Action Type:
	[REPORT] Alternative Remediation Report (C-141AR)

CONDITIONS

Created	Condition	Condition Date
Ву		
nvelez	1. Continue O&M & sampling as stated in report. 2. Submit next quarterly report by January 15, 2025.	10/25/2024