

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

July 9, 2025

New Mexico Oil Conservation Division

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

Re: Second Quarter 2025 – SVE System Update

San Juan 28-6 #31

Rio Arriba County, New Mexico Hilcorp Energy Company

NMOCD Incident Number: NVF1816655680

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Second Quarter 2025 – SVE System Update* report summarizing the soil vapor extraction (SVE) system performance at the San Juan 28-6 #31 natural gas production well (Site) located in Unit M, Section 28, Township 28 North, Range 6 West in Rio Arriba County, New Mexico (Figure 1). Specifically, this report summarizes Site activities performed in April, May, and June of 2025 to the New Mexico Oil Conservation Division (NMOCD).

SVE SYSTEM SPECIFICATIONS

The current SVE system consists of a three-phase, 3 horsepower (HP) Ametek Rotron Model EN656 regenerative blower capable of producing 100 standard cubic feet per minute (scfm) of flow and 50 inches of water column (IWC). In total, 19 SVE wells (SVE-1, SVE-2RS, SVE-2RD, SVE-3, SVE-4, SVE-5, SVE-6, SVE-7S, SVE-7D, SVE-8, SVE-9, SVE-10, SVE-11S, SVE-11D, SVE-12S, SVE-13S, SVE-13D, SVE-14S, and SVE-15) are installed at the Site at varying depth intervals in order to induce air flow through the impacted zones in the subsurface. Two additional deep zone SVE wells (SVE-12D and SVE-14D) were previously installed but are not currently connected to the SVE system. SVE well locations are presented on Figure 2. Additionally, the power for the SVE system was converted from generator to a permanent power drop on April 20, 2022. Specifically, the voltage capacity of the power drop at the Site was increased in order to run the SVE system and negate the need for a generator to power the system. This was determined to be necessary based on reliability issues with the generators used at the Site.

SECOND QUARTER 2025 ACTIVITIES

During the second quarter of 2025, Ensolum and Hilcorp personnel performed bi-weekly operation and maintenance (O&M) visits to confirm the system was operating as designed and to perform any required maintenance. During the second quarter of 2025, zones Leg A Deep, Leg A Shallow, and Leg B-1 were operating with 13 of the 19 wells operational. Field notes taken during O&M visits are presented in Appendix A. Between March 30 and June 25, 2025, the SVE system operated for an estimated 2,073 hours for a runtime efficiency of 99.3 percent (%). Table 1 presents the SVE system operational hours and percent runtime. Appendix B presents photographs of the runtime meter for calculating the second quarter runtime efficiency.

Hilcorp Energy Company Second Quarter 2025 – SVE System Update San Juan 28-6 #31



A second quarter 2025 vapor sample was collected on May 14, 2025. The vapor sample was collected from the sample port located between the SVE piping manifold (collected from the total combined air flow from all active wells) 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, located in Albuquerque, New Mexico, for analysis of total volatile petroleum hydrocarbons (TVPH, also referred to 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 Processor Association (GPA) Method 2261. Table 2 presents a summary of analytical data collected during this and previous sampling events, with the full laboratory analytical report included as Appendix C.

Vapor sample data and measured stack flow rates are used to estimate total mass recovered and total emissions generated by the SVE system (Table 3). Based on these estimates, a total of 26,727 pounds (13.4 tons) of TVPH have been removed by the system to date.

RECOMMENDATIONS

Bi-weekly O&M visits will continue to be performed by Ensolum and/or Hilcorp personnel to verify the SVE system is operating within normal working ranges (i.e., temperature, pressure, and vacuum). Deviations from regular operations will be noted on field logs and included in the following quarterly report. Hilcorp will continue operating the SVE until asymptotic mass removal rates are observed. At that time, an evaluation of residual petroleum hydrocarbons will be assessed and further recommendations for remedial actions, if any, will be provided to NMOCD.

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**

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Attachments:

Figure 1 Site Location Map

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

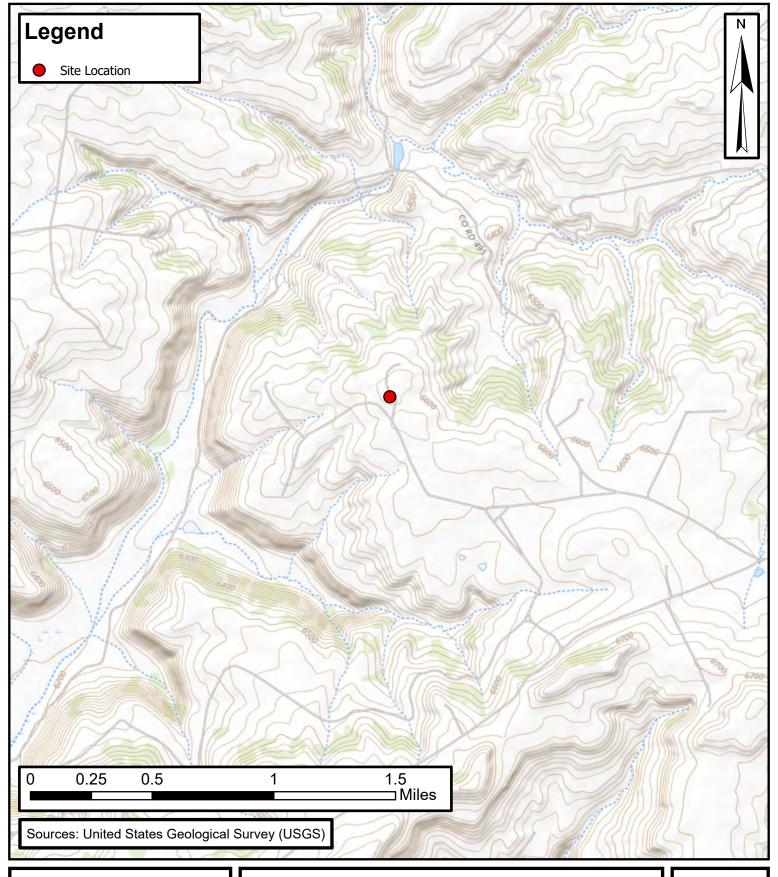
Appendix A Field Notes

Appendix B Project Photographs

Appendix C Laboratory Analytical Reports



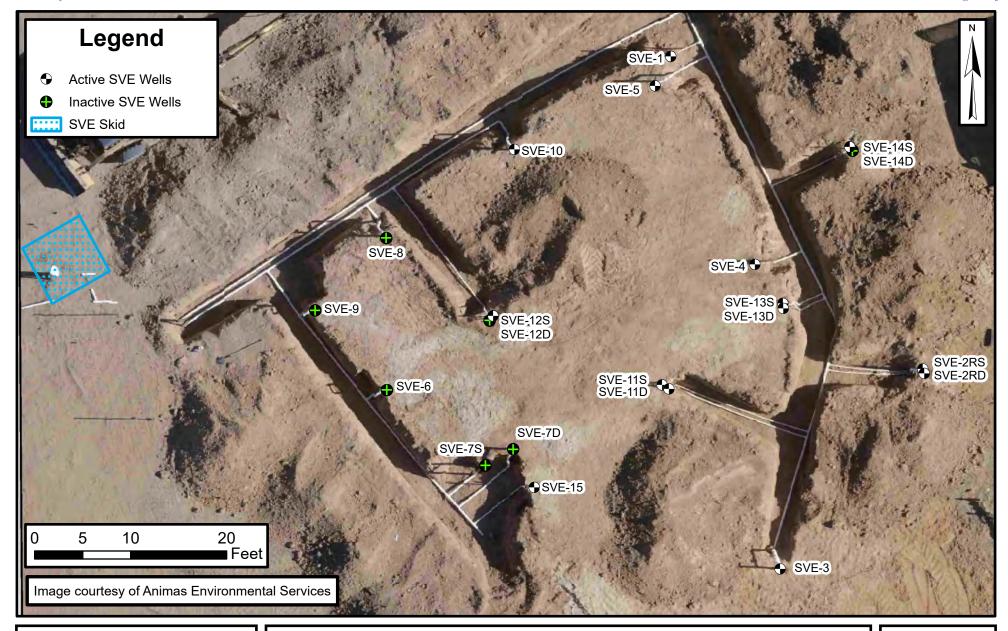
Figures





Site Location Map

San Juan 28-6 #31 Hilcorp Energy Company 36.6277°N, -107.4781°W Rio Arriba County, NM **FIGURE**





SVE System Configuration

San Juan 28-6 #31 Hilcorp Energy Company 36.6277° N, -107.4781° W Rio Arriba County, New Mexico FIGURE 2



Tables

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TABLE 1 SOIL VAPOR EXTRACTION SYSTEM RUNTIME CALCULATIONS

San Juan 28-6 #31 Hilcorp Energy Company Rio Arriba County, New Mexico

Date	SVE Runtime Hours	Delta Hours	Days	% Runtime
3/30/2025	5,089	-	-	
6/25/2025	7,162	2,073	87	99.3%

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TABLE 2

SOIL VAPOR EXTRACTION SYSTEM AIR ANALYTICAL RESULTS

San Juan 28-6 #31

Hilcorp Energy Company Rio Arriba County, New Mexico

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Date	Sample Identification	Operating SVE Zones	PID (ppm)	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (µg/L)	TVPH/GRO (µg/L)	Oxygen (%)	Carbon Dioxide (%)
9/20/2021	Pilot Test	All Zones	1,287	720	1,600	15	320	250,000	17.87%	2.05%
9/28/2021	Influent A+B	All Zones	736	240	720	27	350	53,000		
10/21/2021	Influent A+B	All Zones	615	60	170	6.7	74	13,000		
11/5/2021	Leg A Deep	Leg A Deep	1,177	620	1,700	29	390	72,000		
12/16/2021	Leg A Deep	Leg A Deep	1,398	470	950	11	190	96,000	21.00%	0.83%
12/16/2021	Leg A Shallow	Leg A Shallow	298	10	32	1.1	19	2,300	22.00%	0.12%
1/6/2022	Leg A Shallow	Leg A Shallow	283	12	34	1.2	15	2,500	22.13%	0.13%
1/6/2022	Leg B-1	Leg B-1	158	2.3	10	< 0.50	6.7	1,100	21.97%	0.10%
3/24/2022	Influent All Wells	All Zones	604	48	92	1.2	19	6,300	22.10%	0.18%
6/13/2022	Influent All Wells	All Zones	414	30	89	<2.0	29	4,600	21.57%	0.25%
9/30/2022	Influent 9-30	All Zones	410	19	65	2.1	26	3,700	21.57%	0.28%
12/6/2022	SVE-1	All Zones	284	85	220	<5.0	58	22,000	21.69%	0.23%
3/8/2023	SVE-1	All Zones	381	13	54	<5.0	16	52	21.66%	0.19%
6/22/2023	SVE-1	All Zones	356	8.4	39	1.2	17	3,000	21.66%	0.20%
8/22/2023	SVE-1	All Zones	386	14	49	<5.0	17	2,800	21.68%	0.20%
11/22/2023	SVE-1	All Zones	396	14	56	<5.0	20	2,800	21.45%	0.19%
3/7/2024	SVE-1	All Zones	265	6.3	24	<5.0	8.6	1,300	21.93%	0.02%
6/15/2024	SVE-1	Leg A Shallow Leg A Deep Leg B-1	143	7.2	28	0.92	16	1,400	21.98%	0.20%
9/10/2024	SVE-1	Leg A Shallow Leg A Deep Leg B-1	263	57	220	5.2	97	1,200	21.69%	0.23%
11/27/2024	SVE-1	Leg A Shallow Leg A Deep Leg B-1	164	6.6	13	<5.0	<7.5	1,100	22.01%	0.16%
2/11/2025	SVE-1	Leg A Shallow Leg A Deep Leg B-1	208	<5.0	19	<5.0	<7.5	1,200	21.30%	0.14%
5/14/2025	SVE-1	Leg A Shallow Leg A Deep Leg B-1	302	8.0	37	<5.0	13	3,900	21.66%	0.26%

Notes:

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GRO: gasoline range hydrocarbons

μg/L: microgram per liter

PID: photoionization detector

ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

%: percent

--: not sampled/analyzed

<: gray indicates result less than the stated laboratory reporting limit (RL)

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TABLE 3 SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS

San Juan 28-6 #31 Hilcorp Energy Company Rio Arriba County, New Mexico

Date	PID (ppm)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)	TVPH (μg/L)
9/28/2021	736	240	720	27	350	53,000
10/21/2021	615	60	170	6.7	74	13,000
11/5/2021	1,177	620	1,700	29	390	72,000
12/16/2021	298	10	32	1.1	19	2,300
1/6/2022	158	2.3	10	0.50	6.7	1,100
3/24/2022	604	48	92	1.2	19	6,300
6/13/2022	414	30	89	2.0	29	4,600
9/30/2022 (1)	410	19	65	2.1	26	3,700
12/6/2022	284	85	220	5.0	58	22,000
3/8/2023	381	13	54	5.0	16	52
6/22/2023	356	8.4	39	1.2	17	3,000
8/22/2023	386	14	49	5.0	17	2,800
11/22/2023	396	14	56	5.0	20	2,800
3/7/2024	265	6.3	24	5.0	8.6	1,300
6/15/2024	143	7.2	28	0.92	16	1,400
9/10/2024	263	57	220	5.2	97	1,200
11/27/2024	164	6.6	13	5.0	7.5	1,100
2/11/2025	208	5.0	19	5.0	7.5	1,200
5/14/2025	302	8.0	37	<5.0	13	3,900
Average	398	66	191	6.2	63	10,355

Vapor Extraction Summary								
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)
9/28/2021	60	17,280	17,280	0.054	0.16	0.0061	0.079	12
10/21/2021	50	1,648,680	1,631,400	0.028	0.083	0.0032	0.040	6.2
11/5/2021	8	1,864,392	215,712	0.010	0.028	0.00053	0.0069	1.3
12/16/2021	12	2,496,696	632,304	0.014	0.039	0.00068	0.0092	1.7
1/6/2022	32	3,352,056	855,360	0.00072	0.0025	0.000096	0.0015	0.20
3/24/2022	12	4,610,688	1,258,632	0.0011	0.0023	0.000038	0.00058	0.17
6/13/2022	61	11,659,482	7,048,794	0.0089	0.021	0.00037	0.0055	1.2
9/19/2022 (1)	52	18,819,882	7,160,400	0.0048	0.015	0.00040	0.0053	0.81
12/6/2022	55	24,971,082	6,151,200	0.011	0.029	0.00073	0.0086	2.6
3/8/2023	50	31,583,082	6,612,000	0.0092	0.026	0.00094	0.0069	2.1
6/22/2023	55	39,941,982	8,358,900	0.0022	0.0096	0.00064	0.0034	0.31
8/22/2023	60	45,183,582	5,241,600	0.0025	0.0099	0.00070	0.0038	0.65
11/22/2023	60	53,117,982	7,934,400	0.0031	0.012	0.0011	0.0042	0.63
3/7/2024	55	61,486,782	8,368,800	0.0021	0.008	0.0010	0.0029	0.42
6/15/2024	55	68,403,582	6,916,800	0.0014	0.005	0.0006	0.0025	0.28
9/10/2024	55	75,323,682	6,920,100	0.0066	0.026	0.0006	0.0116	0.27
11/27/2024	50	80,925,582	5,601,900	0.0059	0.022	0.0010	0.0098	0.22
2/11/2025	50	86,348,682	5,423,100	0.0011	0.003	0.0009	0.0014	0.22
5/14/2025	50	92,947,482	6,598,800	0.0012	0.005	0.0009	0.0019	0.48
•		•	Average	0.009	0.027	0.001	0.011	1.7

Mass	Recovery

	1			I III I I I I I I I I I I I I I I I I				
Date	Total Operational Hours (2)	Delta Hours	Benzene (pounds)	Toluene (pounds)	Ethylbenzene (pounds)	Total Xylenes (pounds)	TVPH (pounds)	TVPH (tons)
9/28/2021	5	5	0.26	0.78	0.029	0.4	57	0.029
10/21/2021	549	544	15	45	1.7	21.6	3,356	1.7
11/9/2021 (3)	998	449	4.6	13	0.24	3.1	571	0.29
12/16/2021	1,876	878	12	34	0.59	8.1	1,464	0.73
1/6/2022	2,322	446	0.32	1.1	0.043	0.7	91	0.045
3/24/2022	4,070	1,748	2.0	4.0	0.067	1.0	290	0.15
6/13/2022	5,996	1,926	17	40	0.70	11	2,395	1.2
9/19/2022 (1)	8,291	2,295	11	34	0.9	12	1,852	0.93
12/6/2022	10,155	1,864	20	55	1.4	16	4,927	2.5
3/8/2023	12,359	2,204	20	56	2	15	4,544	2.3
6/22/2023	14,892	2,533	5.6	24	1.6	8.6	795	0.40
8/22/2023	16,348	1,456	3.7	14	1.0	5.6	948	0.47
11/22/2023	18,552	2,204	6.9	26	2.5	9.1	1,385	0.69
3/7/2024	21,088	2,536	5.3	21	2.6	7.5	1,069	0.53
6/15/2024	23,184	2,096	2.9	11	1.3	5.3	582	0.29
9/10/2024(4)	25,046	2,097	13.8	53	1.3	24.4	561	0.28
11/27/2024	26,913	1,867	11.1	41	1.8	18.2	402	0.20
2/11/2025	28,721	1,808	2.0	5	1.7	2.5	389	0.19
5/14/2025	30,920	2,200	2.7	12	2.1	4.2	1,049	0.52
	Total Mass	Recovery to Date	157	491	23.6	174	26,727	13.4

- (1): an emissions air sample was recollected on 9/30/2022 due to air-collection errors during the 9/19/2022 site visit. Flow rates collected during the 9/19/2022 visit are used for emissions calculations
- (2): total operational hours are a summation of runtime hours collected from several generators and blower runtime meters used since system startup
- (3): runtime hours collected during a site visit on 11/92021
 (4): runtime hours estimated based on hour meter readings between 6252024 and 8282024 when the meter was noted to be broken plus readings between when the new meter was installed on 8292024 and 9102024

cfm: cubic feet per minute

cf: cubic feet 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: Indicates result less than the stated laboratory reporting limit (RL); as such, RL used for calculating emissions.

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APPENDIX A

Field Notes

		SV	E SYSTEM - MONTHLY O&M		
	SVE ALARMS:				
			KO TANK HIGH LEVEL		Carried State of the Land
	SVE SYSTEM Blower Hours (take photo)	READING 5963.4	TIME		
	Pre K/O Vacuum (IWC)	-31	1150		
	Post K/O Vacuum (IWC)	-24			
	Pitot Tube 3" Flow (cfm) Leg A Rotameter (cfm)	19			
	Leg B Rotameter (cfm)	28			
Li	Inlet PID (ppm) quid in K/O Sight Tube (Y/N)	203.4			
1	K/O Liquird Drained (gallons)				
	HOUSEKEEPING	Check			
	Inline Filter Clean				
	Clean Wye Strainer				
	SAMPLE ID:	SVE SY	STEM - QUARTERLY SAMPLING		
	Analytes:	TVPH (8015), VOCs (8260)	Fixed Gas (CO/CO2/O2)		
	OPERATING WELLS				
	ZONES				
Chan	ge in Well Operation:				
G A DEE		VACHUM (IVAC)	DID HEADODAGE (DDM)	VELOCITY (EDM)	ADUIOTMENTO
	SVE-2RD	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
	SVE-3	17.76	546.7		
	SVE-5	17.8	362.7		
	SVE-11D SVE-13D	17.75	1587		
G A SHA	LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
	SVE-1	16.26	179.3		
The same	SVE-2RS	17.78	976.3		
-	SVE-4 SVE-11S	17.72	631.3		
	SVE-11S SVE-13S	17.76	1523		
	SVE-14S	7.77	772.0		
3 B-1	LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
	SVE-7D	VACCOUN (IVVC)	TID TILL ADDITAGE (T. T. III)		
	SVE-10	16.58	136.6		
	SVE-12S	17.07	1344		
	SVE-15				THE PART OF THE
B-2		YA OLU IN (IMO)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
	LOCATION	VACUUM (IWC)	FID HEADOI NOE (ITM)	VZZGGIII (I I III)	District States
	SVE-6 SVE-7S				
	SVE-8				
	SVE-9				
MENTS	OTHER MAINTENANCE:		Marie Committee of the	The state of the s	
HAILIAIC					

28-6 #31 SVE SYSTEM BIWEEKLY O&M FORM

DATE: 4-30

SVE ALARMS	: New York	/E SYSTEM - MONTHLY O&M		Was all
SVE SYSTEM		KO TANK HIGH LEVEL	and the second	
Blower Hours (take photo)	READING	TIME		
Pre K/O Vacuum (IWC	5825.1	1336	THE RESERVE AND ADDRESS OF THE PERSON OF THE	
Post K/O Vacuum (IWC	-39	1-56		
Post K/O Vacuum (IWC)	-33		Street Section Section 1	
Pitot Tube 3" Flow (cfm)	40			
Leg A Rotameter (cfm)	2.8/			
Leg B Rotameter (cfm)	3			
Inlet PID (ppm)	390.0			
Liquid in K/O Sight Tube (V/NI)	71410			
K/O Liquird Drained (gallons)				
HOUSEKEEPING	Check	The state of the s		
Inline Filter Clean	OHOOK			
Clean Wye Strainer				
	TOP IN THE PARTY OF THE PARTY O			
	SVE CV	VOTEM OUMPTERLY COMME	PA 1 1 3 4 1 3 1 3 4 3	
SAMPLE ID:		STEM - QUARTERLY SAMPLING SAMPLE TIME		a late of the late
Analytes:	TVPH (8015), VOCs (8260)	, Fixed Gas (CO/CO2/O2)		
OPERATING WELLS				
ZONES				
Change in Well Operation:				
G A DEEP				
LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (EDM)	AD III OTHENTO
SVE-2RD	78.9	1530	VELOCITY (FPM)	ADJUSTMENTS
OVE-ZIVD	-011			
	200			WAS THE STATE OF T
SVE-3	28.8	761.2		
SVE-3 SVE-5	28.8	761.2		
SVE-3 SVE-5 SVE-11D	28.8	761.Z 1252 1054		
SVE-3 SVE-5	28.9	761.2		
SVE-3 SVE-5 SVE-11D SVE-13D		761.Z 1252 1054		
SVE-3 SVE-5 SVE-11D SVE-13D	28.9	761.2 1252 1054 1386	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D G A SHALLOW LOCATION	VACUUM (IWC)	761.2 1252 1054 1386 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D G A SHALLOW LOCATION SVE-1	VACUUM (IWC)	761.2 1252 1059 1386 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D G A SHALLOW LOCATION SVE-1 SVE-2RS	28.9 VACUUM (IWC) 26.1 28.9	761.2 1252 1054 1386 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D G A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4	28.9 VACUUM (IWC) 26.1 28.9	761.2 1252 1059 1386 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D G A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S	28.9 VACUUM (IWC) 26.1 28.9	761.2 1252 1059 1386 PID HEADSPACE (PPM) 727.7 1098 702.2	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D G A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S	28.9 VACUUM (IWC) 26.1 28.9 28.9 28.8 29.0	761.2 1252 1059 1386 PID HEADSPACE (PPM) 702.2 1169 1723	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D G A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S	28.9 VACUUM (IWC) 26.1 28.9	761.2 1252 1059 1386 PID HEADSPACE (PPM) 727.7 1098 702.2	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D G A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-4 SVE-11S SVE-13S SVE-14S	28.9 VACUUM (IWC) 26.1 28.9 28.9 28.8 29.0	761.2 1252 1059 1386 PID HEADSPACE (PPM) 702.2 1169 1723	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S	78.9 VACUUM (IWC) 26.1 28.9 28.8 29.0 29.0	761.2 1252 1059 1386 PID HEADSPACE (PPM) 702.2 1169 1723	VELOCITY (FPM)	
SVE-3 SVE-5 SVE-11D SVE-13D G A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S SVE-14S	28.9 VACUUM (IWC) 26.1 28.9 28.9 28.8 29.0	761.2 1252 1059 1386 PID HEADSPACE (PPM) 727.7 1098 702.2 1/69 1/23 1/26		
SVE-3	78.9 VACUUM (IWC) 26.1 28.9 28.8 29.0 29.0	PID HEADSPACE (PPM) 1252 1386 PID HEADSPACE (PPM) 127.7 1098 1723 1723 1726		
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S SVE-14S	VACUUM (IWC) 28.9 28.9 28.8 29.0 29.0 VACUUM (IWC)	PID HEADSPACE (PPM) 1252 1386 PID HEADSPACE (PPM) 127.7 1098 1723 1723 1726		
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S SVE-14S	78.9 VACUUM (IWC) 26.1 28.9 28.8 29.0 29.0	761.2 1252 1059 1386 PID HEADSPACE (PPM) 727.7 1098 702.2 1/69 1/23 1/26		
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S SVE-14S	VACUUM (IWC) 28.9 28.9 28.8 29.0 29.0 VACUUM (IWC)	PID HEADSPACE (PPM) 1252 1386 PID HEADSPACE (PPM) 127.7 1098 1723 1723 1726		ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S SVE-14S SVE-15	VACUUM (IWC) 28.9 28.9 28.8 29.9 29.1 37.2	PID HEADSPACE (PPM) 1386 PID HEADSPACE (PPM) 1088 1088 1089 1126 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S SVE-14S	VACUUM (IWC) 28.9 28.9 28.8 29.0 29.0 VACUUM (IWC)	PID HEADSPACE (PPM) 1252 1386 PID HEADSPACE (PPM) 127.7 1098 1723 1723 1726		
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15	VACUUM (IWC) 28.9 28.9 28.8 29.9 29.1 37.2	PID HEADSPACE (PPM) 1386 PID HEADSPACE (PPM) 1088 1088 1089 1126 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 SVE-15	VACUUM (IWC) 28.9 28.9 28.8 29.9 29.1 37.2	PID HEADSPACE (PPM) 1386 PID HEADSPACE (PPM) 1088 1088 1089 1126 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S B-1 LOCATION SVE-7D -SVE-10- SVE-15 SVE-15 SVE-6 SVE-7S	VACUUM (IWC) 28.9 28.9 28.8 29.9 29.1 37.2	PID HEADSPACE (PPM) 1386 PID HEADSPACE (PPM) 1088 1088 1089 1126 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-13S SVE-14S SVE-14S B-1 LOCATION SVE-7D -SVE-10 SVE-12S SVE-15 B-2 LOCATION SVE-6 SVE-7S SVE-8	VACUUM (IWC) 28.9 28.9 28.8 29.9 29.1 37.2	PID HEADSPACE (PPM) 1386 PID HEADSPACE (PPM) 1088 1088 1089 1126 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S B-1 LOCATION SVE-7D -SVE-10- SVE-12S SVE-15 B-2 LOCATION SVE-6 SVE-7S	VACUUM (IWC) 28.9 28.8 29.0 29.0 27.2 VACUUM (IWC)	PID HEADSPACE (PPM) 1386 PID HEADSPACE (PPM) 1088 1088 1089 1126 PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS

28-6 #31 SVE SYSTEM BIWEEKLY O&M FORM

		SVE SYSTEM - MONTHLY O&M		
SVE ALARMS:[KO TANK HIGH LEVEL	A	
GENERATOR Hours (take photo) Frequency (Hertz) Voltage Battery Voltage Oil Pressure Oil Temp HOUSEKEEPING Generator Lubrication Inline Filter Clean Clean Wye Strainer	Check	SVE SYSTEM Blower Hours (take photo) Pre K/O Vacuum (IWC) Post K/O Vacuum (IWC) Pitot Tube 3" Flow (cfm) Leg A Rotameter (cfm) Leg B Rotameter (cfm) Inlet PID (ppm) Exhaust Post GAC PID (ppm) Liquid in K/O Sight Tube (Y/N) K/O Liquird Drained (gallons)	ADING 6162,5 -41 -35 -35 -35 -302,0	TIME 1501
SAMPLE ID:		VE SYSTEM - QUARTERLY SAMPLING SAMPLE TIME:	<1<	
	TVPH (8015), VOCs (8260),		515.	
Change in Well Operation: A DEEP LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	FLOW (CFM)	ADJUSTMENTS
	VACOOM (IVVC)	FID FILADSPACE (FFW)	TLOW (CI WI)	ADJUST MENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D	30.2 30.2 29.4 30.1 30.1	1611 656.1 1362 1054 1850	T LOW (CI IVI)	ADJUSTIVIENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D	30.2 30.2 29.9 30.1	656.1 1362 1054		
SVE-2RD SVE-3 SVE-5 SVE-11D	30.2 30.2 29.9 30.1	656.1 1362 1054	FLOW (CFM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-4 SVE-11S SVE-13S SVE-14S B-1 LOCATION	30.2 29.4 30.1 30.1 30.2 VACUUM (IWC) 27.6 30.2 30.1 30.1			
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S B-1 LOCATION SVE-14S B-1 SVE-7D SVE-12S	30.2 29.4 30.1 30.1 30.2 VACUUM (IWC) 27.6 30.2 30.1 30.1		FLOW (CFM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-4 SVE-11S SVE-13S SVE-14S B-1 LOCATION SVE-7D	30.2 29.4 30.1 30.1 30.2 30.2 30.1 30.1 30.2		FLOW (CFM)	ADJUSTMENTS

28-6 #31 SVE SYSTEM BIWEEKLY O&M FORM

TIME ONSITE: 5-28

O&M PERSONNEL: B Sinclair
TIME OFFSITE:

	TIME OFFSITE:	
	SVE SYSTEM - MONTHLY O&M	
SVE SYSTEM Blower Hours (take photo) Pre K/O Vacuum (IWC) Post K/O Vacuum (IWC) Pitot Tube 3" Flow (cfm) Leg A Rotameter (cfm) Leg B Rotameter (cfm) Inlet PID (ppm) iquid in K/O Sight Tube (Y/N) K/O Liquird Drained (gallons)	TIME 1300	
HOUSEKEEPING Check Inline Filter Clean Clean Wye Strainer		

	SVE SYSTEM - QUARTERLY SAMPLING	
SAMPLE ID: Analytes: TVPH (8015), OPERATING WELLS	SAMPLE TIME: VOCs (8260), Fixed Gas (CO/CO2/O2)	

ZONES

Change in Well Operation: LEG A DEEP

LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD	29.	1448	VELOCITI (ITIVI)	ADJUSTMENTS
SVE-3	28.9	613.3		
SVE-5	29.3	1302		
SVE-11D	29.0	1127		
SVE-13D	28.9	1563		

LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS	
SVE-1	26.3	677.8			
SVE-2RS	29,1	991,2			
SVE-4	29.2	632.5			
SVE-11S	29.0	1189			
SVE-13S	29.2	1712			
SVE-14S	29.3	1217			

B-1 LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-7D				
SVE-10		122/		
SVE-12S	37.9	1336		
SVE-15				

B-2	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
LOCATION	VACOOM (IVVO)			
SVE-6				
SVE-7S				
SVE-8				

COMMENTS/OTHER MAINTENANCE:

28-6 #31 SVE SYSTEM

		BIWEEKLY O&M FORM	001	
DATE:	6-11	O&M PERSONNEL: _ TIME OFFSITE: _	B Sinclair	
	SVE	SYSTEM - MONTHLY O&M		
SVE ALARMS:		KO TANK HIGH LEVEL		
SVE SYSTEM ,	DEADWA			
Blower Hours (take photo)	READING	TIME		
Pre K/O Vacuum /IM/C\F	1 -11-	1251		
Post K/O Vacuum (IWC)	-36-			
Pitot Tube 3" Flow (cfm) Leg A Rotameter (cfm)	Se.			
Leg B Rotameter (cfm)	24			
Inlet PID (nnm)[310			
Liquid in K/O Sight Tube (V/KI)				
K/O Liquird Drained (gallons)				
HOUSEKEEPING	Check			
Inline Filter Clean				
Clean Wye Strainer				
	SVE SY	STEM - QUARTERLY SAMPLING		
SAMPLE ID:		SAMPLE TIME:		
OPERATING WELLS	TVPH (8015), VOCs (8260),	Fixed Gas (CO/CO2/O2)		
OI LIGHTING WELLS				
ZONES				
Change in Well Operation:				
EG A DEEP LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD	30.8	1155		
SVE-3	30.9	533.9		
SVE-5	31,0	980.6		
SVE-11D	31.9	1440		
SVE-13D	21.0			
EG A SHALLOW	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
LOCATION	74 G	364.3		
LOCATION				
SVE-1	30.9	626.4		
SVE-1 SVE-2RS	30.9	696.4		
SVE-1 SVE-2RS SVE-4	30.9 31.3 31.Z	889.3		
SVE-1 SVE-2RS SVE-4 SVE-11S	31.3	889.3		
SVE-1 SVE-2RS SVE-4	31.3	889.3		
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S	31.3 31.2 30.9 31.4	889.3	VELOCITY (FPM)	ADJUSTMENTS
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S LOCATION	31.3	889.3	VELOCITY (FPM)	ADJUSTMENTS
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S LOCATION SVE-7D	31. Z 31. Z 31. Z 31. Z 31. Z 31. Z	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S LOCATION SVE-7D SVE-10	31.3 31.2 30.9 31.4	889.3	VELOCITY (FPM)	ADJUSTMENTS
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S EG B-1 LOCATION SVE-7D SVE-10 SVE-12S	31. Z 31. Z 31. Z 31. Z 31. Z 31. Z	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S LOCATION SVE-7D SVE-10	31.2 31.2 31.4 31.4 31.4 31.2 31.4 31.8	999.3 1599 1009 PID HEADSPACE (PPM)		ADJUSTMENTS
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S SVE-14S EG B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15	31. Z 31. Z 31. Z 31. Z 31. Z 31. Z	PID HEADSPACE (PPM)	VELOCITY (FPM)	
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S EG B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 EG B-2 LOCATION	31.2 31.2 31.4 31.4 31.4 31.2 31.4 31.8	999.3 1599 1009 PID HEADSPACE (PPM)		ADJUSTMENTS
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S EG B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 EG B-2 LOCATION SVE-6	31.2 31.2 31.4 31.4 31.4 31.2 31.4 31.8	999.3 1599 1009 PID HEADSPACE (PPM)		
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S EG B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 EG B-2 LOCATION	31.2 31.2 31.4 31.4 31.4 31.2 31.4 31.8	999.3 1599 1009 PID HEADSPACE (PPM)		
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S EG B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 EG B-2 LOCATION SVE-6 SVE-7S	31.2 31.2 31.4 31.4 31.4 31.2 31.4 31.8	999.3 1599 1009 PID HEADSPACE (PPM)		
SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S EG B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 EG B-2 LOCATION SVE-6 SVE-8	31. 2 31. 2 31. 4 VACUUM (IWC)	999.3 1599 1009 PID HEADSPACE (PPM)		

28-6 #31 SVE SYSTEM

	C)	TIME OFFSITE:		
SVE ALAR		E SYSTEM - MONTHLY O&M		
	IVIS.	KO TANK HIGH LEVEL		
SVE SYSTEM Blower Hours (take pho	READING	TIME		
Pre K/O Vacuum (IV	oto) 7/62.0	1440		
Post K/O Vacuum (IV	NC)			
Pitot Tube 3" Flow (c	cfm)			
Leg A Rotameter (d Leg B Rotameter (d	ofm) 2 4			
Inlet PID (n	nm) 21/21			
Liquid in K/O Sight Tube A	//NI)			
K/O Liquird Drained (gallo	ons)			
HOUSEKEEPI	ING Check			
Inline Filter Cl	ean			
Clean Wye Strai	iner			
	SVF SV	STEM - QUARTERLY SAMPLING		
SAMPLE	ID:	SAMPLE TIME:		
Analyt	tes: TVPH (8015), VOCs (8260)	, Fixed Gas (CO/CO2/O2)		
OPERATING WEL	LS			
ZONES				
Change in Well Operations				
Change in Well Operation:				
	T VACILIA (DAC)	T DID LIEUDODI OF (DDI.)		
LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD	30.9	130.5	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3	30.9	1305	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5	30.9	1305	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D	30.9 30.9 30.9 31.5	1305 586.8 1033 1098	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5	30.9	1305	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D	30.9 30.9 30.9 31.5 31.5	1305 586.8 1033 1098 1486		
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION	30.9 30.9 30.9 31.5 31.5 VACUUM (IWC)	1305 586.8 1033 1098 1486	VELOCITY (FPM) VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1	30.9 30.9 30.9 31.5 31.2 VACUUM (IWC) 29.7	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM)		
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS	30.9 30.9 30.9 31.5 31.5 VACUUM (IWC)	1305 586.8 1033 1098 1486		
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4	30.9 30.9 30.9 31.5 31.5 31.7 29.7 30.9	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039		
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-4	30.9 30.9 31.5 31.5 31.7 VACUUM (IWC) 29.7 30.9 31.3 31.3	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640		
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D SA SHALLOW LOCATION SVE-1 SVE-1 SVE-2RS SVE-4	30.9 30.9 31.5 31.5 31.7 VACUUM (IWC) 29.7 30.9 31.3	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039		
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S	30.9 30.9 31.5 31.5 31.7 VACUUM (IWC) 29.7 30.9 31.3 31.3	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640		
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S	30.9 30.9 31.5 31.5 31.7 29.7 30.9 31.3 31.3 31.3 31.4	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM)	
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S	30.9 30.9 31.5 31.5 31.7 VACUUM (IWC) 29.7 30.9 31.3 31.3	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640		ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S	30.9 30.9 31.5 31.5 31.7 29.7 30.9 31.3 31.3 31.3 31.4	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S	30.9 30.9 31.5 31.5 31.7 30.9 31.3 31.3 31.3 31.4 VACUUM (IWC)	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S B-1 LOCATION SVE-7D	30.9 30.9 31.5 31.5 31.7 29.7 30.9 31.3 31.3 31.3 31.4	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S B-1 LOCATION SVE-14S	30.9 30.9 31.5 31.5 31.7 30.9 31.3 31.3 31.3 31.4 VACUUM (IWC)	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S SVE-14S SVE-14S SVE-14S SVE-14S	30.9 30.9 31.5 31.2 VACUUM (IWC) 29.7 30.9 31.3 31.3 31.4 VACUUM (IWC)	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM) VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15	30.9 30.9 31.5 31.5 31.7 30.9 31.3 31.3 31.3 31.4 VACUUM (IWC)	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 SVE-15	30.9 30.9 31.5 31.2 VACUUM (IWC) 29.7 30.9 31.3 31.3 31.4 VACUUM (IWC)	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM) VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 SVE-15	30.9 30.9 31.5 31.2 VACUUM (IWC) 29.7 30.9 31.3 31.3 31.4 VACUUM (IWC)	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM) VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-11S SVE-14S B-1 LOCATION SVE-14S B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 SVE-15 SVE-6 SVE-7S	30.9 30.9 31.5 31.2 VACUUM (IWC) 29.7 30.9 31.3 31.3 31.4 VACUUM (IWC)	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM) VELOCITY (FPM)	ADJUSTMENTS
SVE-2RD SVE-3 SVE-5 SVE-11D SVE-13D A SHALLOW LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-11S SVE-14S SVE-14S SVE-14S B-1 LOCATION SVE-7D SVE-10 SVE-12S SVE-15 SVE-15	30.9 30.9 31.5 31.2 VACUUM (IWC) 29.7 30.9 31.3 31.3 31.4 VACUUM (IWC)	1305 586.8 1033 1098 1486 PID HEADSPACE (PPM) 573.7 722.3 653.6 1039 1640 1151	VELOCITY (FPM) VELOCITY (FPM)	



APPENDIX B

Project Photographs

PROJECT PHOTOGRAPHS

San Juan 28-6 #31 Rio Arriba County, New Mexico Hilcorp Energy Company

Photograph 1

Runtime meter taken on March 30, 2025 at 1:44 PM Hours = 5,089.1



Photograph 2

Runtime meter taken on June 25, 2025 at 2:40 PM Hours = 7,162.0





APPENDIX C

Laboratory Analytical Reports

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kate Kaufman Hilcorp Energy PO BOX 4700 Farmington, New Mexico 87499

Generated 5/27/2025 12:26:07 PM

JOB DESCRIPTION

SJ 28-6 Unit 31

JOB NUMBER

885-25105-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

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 5/27/2025 12:26:07 PM

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

? of 24 5/27/2025

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Laboratory Job ID: 885-25105-1

Client: Hilcorp Energy Project/Site: SJ 28-6 Unit 31

Table of Contents

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Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-25105-1 Project/Site: SJ 28-6 Unit 31

Glossarv

Ciocoary	
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" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) Most Probable Number MPN 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

Client: Hilcorp Energy Job ID: 885-25105-1 Project: SJ 28-6 Unit 31

Job ID: 885-25105-1 **Eurofins Albuquerque**

> Job Narrative 885-25105-1

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 5/17/2025 7:00 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 0.0°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.

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch 885-26885 recovered above the upper control limit for 2,2-Dichloropropane and Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

Gasoline Range Organics

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

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy Job ID: 885-25105-1

Project/Site: SJ 28-6 Unit 31

Client Sample ID: SVE-1 Lab Sample ID: 885-25105-1

Date Collected: 05/14/25 15:15 Matrix: Air

Date Received: 05/17/25 07:00 Sample Container: Tedlar Bag 1L

Released to Imaging: 7/18/2025 10:09:15 AM

Method: SW846 8260B · Analyte		Qualifier	` RL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,1,2-Tetrachloroethane	ND		5.0	ug/L	— <u> </u>		05/23/25 14:24	5
1,1,1-Trichloroethane	ND		5.0	ug/L			05/23/25 14:24	5
1,1,2,2-Tetrachloroethane	ND		10	ug/L			05/23/25 14:24	5
1,1,2-Trichloroethane	ND		5.0	ug/L			05/23/25 14:24	5
1,1-Dichloroethane	ND		5.0	ug/L			05/23/25 14:24	5
1,1-Dichloroethene	ND		5.0	ug/L			05/23/25 14:24	5
1,1-Dichloropropene	ND		5.0	ug/L			05/23/25 14:24	5
1,2,3-Trichlorobenzene	ND		5.0	ug/L			05/23/25 14:24	5
1,2,3-Trichloropropane	ND		10	ug/L			05/23/25 14:24	5
1,2,4-Trichlorobenzene	ND		5.0	ug/L			05/23/25 14:24	5
1,2,4-Trimethylbenzene	ND		5.0	ug/L			05/23/25 14:24	5
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			05/23/25 14:24	5
1,2-Dibromoethane (EDB)	ND		5.0	ug/L			05/23/25 14:24	
1,2-Dichlorobenzene	ND		5.0	ug/L			05/23/25 14:24	5
1,2-Dichloroethane (EDC)	ND		5.0	ug/L			05/23/25 14:24	5
1,2-Dichloropropane	ND		5.0	ug/L			05/23/25 14:24	5
1,3,5-Trimethylbenzene	ND		5.0	ug/L			05/23/25 14:24	5
1,3-Dichlorobenzene	ND		5.0	ug/L			05/23/25 14:24	5
I,3-Dichloropropane	ND		5.0	ug/L			05/23/25 14:24	5
1,4-Dichlorobenzene	ND		5.0	ug/L			05/23/25 14:24	5
I-Methylnaphthalene	ND		20	ug/L			05/23/25 14:24	5
2,2-Dichloropropane	ND		10	ug/L			05/23/25 14:24	5
2-Butanone	ND		50	ug/L			05/23/25 14:24	5
2-Chlorotoluene	ND		5.0	ug/L			05/23/25 14:24	5
2-Hexanone	ND		50	ug/L			05/23/25 14:24	5
2-Methylnaphthalene	ND		20	ug/L			05/23/25 14:24	5
4-Chlorotoluene	ND		5.0	ug/L			05/23/25 14:24	5
1-Isopropyltoluene	ND		5.0	ug/L			05/23/25 14:24	5
l-Methyl-2-pentanone	ND ND		50	ug/L			05/23/25 14:24	5
Acetone	ND		50	ug/L			05/23/25 14:24	5
Benzene	8.0		5.0	ug/L			05/23/25 14:24	5 5
Bromobenzene	ND		5.0	ug/L			05/23/25 14:24	5
Bromodichloromethane	ND ND		5.0	ug/L ug/L			05/23/25 14:24	5
Dibromochloromethane	ND		5.0	ug/L			05/23/25 14:24	5
Bromoform	ND		5.0	ug/L			05/23/25 14:24	5
Bromomethane	ND ND		15	ug/L ug/L			05/23/25 14:24	5
Carbon disulfide	ND		50	ug/L ug/L			05/23/25 14:24	5
Carbon tetrachloride	ND ND		5.0	ug/L ug/L			05/23/25 14:24	5
Chlorobenzene	ND ND		5.0	ug/L ug/L			05/23/25 14:24	5
Chloroethane	ND		10				05/23/25 14:24	5i
Chloroform	ND ND		5.0	ug/L			05/23/25 14:24	5 5
Chloromethane	ND ND		15	ug/L			05/23/25 14:24	
cis-1,2-Dichloroethene	ND		5.0	ug/L			05/23/25 14:24	5. 5.
cis-1,3-Dichloropropene	ND ND		5.0 5.0	ug/L ug/L			05/23/25 14:24	5
• •				-				
Dibromomethane	ND		5.0	ug/L			05/23/25 14:24	5
Dichlorodifluoromethane	ND		5.0	ug/L			05/23/25 14:24	5
Ethylbenzene Hexachlorobutadiene	ND ND		5.0 5.0	ug/L ug/L			05/23/25 14:24 05/23/25 14:24	5) 5)

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Job ID: 885-25105-1

Client: Hilcorp Energy Project/Site: SJ 28-6 Unit 31

Client Sample ID: SVE-1 Lab Sample ID: 885-25105-1

Date Collected: 05/14/25 15:15

Matrix: Air

Date Received: 05/17/25 07:00 Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Vola Analyte		Qualifier	` RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	ug/L			05/23/25 14:24	50
Methyl-tert-butyl Ether (MTBE)	ND		5.0	ug/L			05/23/25 14:24	50
Methylene Chloride	ND		15	ug/L			05/23/25 14:24	50
n-Butylbenzene	ND		15	ug/L			05/23/25 14:24	50
N-Propylbenzene	ND		5.0	ug/L			05/23/25 14:24	50
Naphthalene	ND		10	ug/L			05/23/25 14:24	50
sec-Butylbenzene	ND		5.0	ug/L			05/23/25 14:24	50
Styrene	ND		5.0	ug/L			05/23/25 14:24	50
tert-Butylbenzene	ND		5.0	ug/L			05/23/25 14:24	50
Tetrachloroethene (PCE)	ND		5.0	ug/L			05/23/25 14:24	50
Toluene	37		5.0	ug/L			05/23/25 14:24	50
trans-1,2-Dichloroethene	ND		5.0	ug/L			05/23/25 14:24	50
trans-1,3-Dichloropropene	ND		5.0	ug/L			05/23/25 14:24	50
Trichloroethene (TCE)	ND		5.0	ug/L			05/23/25 14:24	50
Trichlorofluoromethane	ND		5.0	ug/L			05/23/25 14:24	50
Vinyl chloride	ND		5.0	ug/L			05/23/25 14:24	50
Xylenes, Total	13		7.5	ug/L			05/23/25 14:24	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	71		70 - 130				05/23/25 14:24	50
Toluene-d8 (Surr)	110		70 - 130				05/23/25 14:24	50
4-Bromofluorobenzene (Surr)	81		70 - 130				05/23/25 14:24	50
Dibromofluoromethane (Surr)	80		70 - 130				05/23/25 14:24	50
Method: SW846 8015D - Gas	oline Range	Organics (GRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	3900		250	ug/L			05/21/25 13:41	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

15 - 150

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Eurofins Albuquerque

05/21/25 13:41

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4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Hilcorp Energy Job ID: 885-25105-1 Project/Site: SJ 28-6 Unit 31

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

Lab Sample ID: MB 885-26885/5

Matrix: Air

Analysis Batch: 26885

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Posult	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	Qualifier	0.10	ug/L		Frepareu	05/23/25 12:45	1
1,1,1-Trichloroethane	ND ND		0.10	ug/L			05/23/25 12:45	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			05/23/25 12:45	1
1,1,2-Trichloroethane	ND		0.10	ug/L			05/23/25 12:45	······່1
1,1-Dichloroethane	ND		0.10	ug/L			05/23/25 12:45	1
1,1-Dichloroethene	ND ND		0.10				05/23/25 12:45	1
	ND		0.10	ug/L			05/23/25 12:45	1
1,1-Dichloropropene				ug/L				-
1,2,3-Trichlaranana	ND		0.10	ug/L			05/23/25 12:45	1
1,2,3-Trichloropropane	ND		0.20	ug/L			05/23/25 12:45	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			05/23/25 12:45	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			05/23/25 12:45	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			05/23/25 12:45	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			05/23/25 12:45	1
1,2-Dichlorobenzene	ND		0.10	ug/L			05/23/25 12:45	1
1,2-Dichloroethane (EDC)	ND		0.10	ug/L			05/23/25 12:45	1
1,2-Dichloropropane	ND		0.10	ug/L			05/23/25 12:45	1
1,3,5-Trimethylbenzene	ND		0.10	ug/L			05/23/25 12:45	1
1,3-Dichlorobenzene	ND		0.10	ug/L			05/23/25 12:45	1
1,3-Dichloropropane	ND		0.10	ug/L			05/23/25 12:45	1
1,4-Dichlorobenzene	ND		0.10	ug/L			05/23/25 12:45	1
1-Methylnaphthalene	ND		0.40	ug/L			05/23/25 12:45	1
2,2-Dichloropropane	ND		0.20	ug/L			05/23/25 12:45	1
2-Butanone	ND		1.0	ug/L			05/23/25 12:45	1
2-Chlorotoluene	ND		0.10	ug/L			05/23/25 12:45	1
2-Hexanone	ND		1.0	ug/L			05/23/25 12:45	1
2-Methylnaphthalene	ND		0.40	ug/L			05/23/25 12:45	1
4-Chlorotoluene	ND		0.10	ug/L			05/23/25 12:45	1
4-Isopropyltoluene	ND		0.10	ug/L			05/23/25 12:45	1
4-Methyl-2-pentanone	ND		1.0	ug/L			05/23/25 12:45	1
Acetone	ND		1.0	ug/L			05/23/25 12:45	1
Benzene	ND		0.10	ug/L			05/23/25 12:45	1
Bromobenzene	ND		0.10	ug/L			05/23/25 12:45	1
Bromodichloromethane	ND		0.10	ug/L			05/23/25 12:45	1
Dibromochloromethane	ND		0.10	ug/L			05/23/25 12:45	1
Bromoform	ND		0.10	ug/L			05/23/25 12:45	1
Bromomethane	ND		0.30	ug/L			05/23/25 12:45	1
Carbon disulfide	ND		1.0	ug/L			05/23/25 12:45	1
Carbon tetrachloride	ND		0.10	ug/L			05/23/25 12:45	1
Chlorobenzene	ND		0.10	ug/L			05/23/25 12:45	1
Chloroethane	ND		0.20	ug/L			05/23/25 12:45	· · · · · · · · · · · · · · · · · · ·
Chloroform	ND		0.10	ug/L			05/23/25 12:45	1
Chloromethane	ND ND		0.10	ug/L ug/L			05/23/25 12:45	1
cis-1,2-Dichloroethene	ND		0.10				05/23/25 12:45	
cis-1,3-Dichloropropene	ND ND		0.10	ug/L ug/L			05/23/25 12:45	1
Dibromomethane	ND ND		0.10				05/23/25 12:45	
				ug/L				1
Dichlorodifluoromethane	ND		0.10	ug/L			05/23/25 12:45	1
Ethylbenzene	ND		0.10	ug/L			05/23/25 12:45	1
Hexachlorobutadiene	ND		0.10	ug/L			05/23/25 12:45	1

Eurofins Albuquerque

QC Sample Results

Client: Hilcorp Energy Job ID: 885-25105-1

Project/Site: SJ 28-6 Unit 31

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

Lab Sample ID: MB 885-26885/5 **Matrix: Air**

Analysis Batch: 26885

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.10	ug/L			05/23/25 12:45	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L			05/23/25 12:45	1
Methylene Chloride	ND		0.30	ug/L			05/23/25 12:45	1
n-Butylbenzene	ND		0.30	ug/L			05/23/25 12:45	1
N-Propylbenzene	ND		0.10	ug/L			05/23/25 12:45	1
Naphthalene	ND		0.20	ug/L			05/23/25 12:45	1
sec-Butylbenzene	ND		0.10	ug/L			05/23/25 12:45	1
Styrene	ND		0.10	ug/L			05/23/25 12:45	1
tert-Butylbenzene	ND		0.10	ug/L			05/23/25 12:45	1
Tetrachloroethene (PCE)	ND		0.10	ug/L			05/23/25 12:45	
Toluene	ND		0.10	ug/L			05/23/25 12:45	1
trans-1,2-Dichloroethene	ND		0.10	ug/L			05/23/25 12:45	1
trans-1,3-Dichloropropene	ND		0.10	ug/L			05/23/25 12:45	
Trichloroethene (TCE)	ND		0.10	ug/L			05/23/25 12:45	1
Trichlorofluoromethane	ND		0.10	ug/L			05/23/25 12:45	•
Vinyl chloride	ND		0.10	ug/L			05/23/25 12:45	
Xylenes, Total	ND		0.15	ug/L			05/23/25 12:45	

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111	70 - 130		05/23/25 12:45	1
Toluene-d8 (Surr)	87	70 - 130		05/23/25 12:45	1
4-Bromofluorobenzene (Surr)	84	70 - 130		05/23/25 12:45	1
Dibromofluoromethane (Surr)	108	70 - 130		05/23/25 12:45	1

Lab Sample ID: LCS 885-26885/4

Matrix: Air

Analysis Batch: 26885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	20.0	22.2		ug/L		111	70 - 130	
Benzene	20.0	21.8		ug/L		109	70 - 130	
Chlorobenzene	20.0	20.6		ug/L		103	70 - 130	
Toluene	20.0	19.8		ug/L		99	70 - 130	
Trichloroethene (TCE)	20.0	19.2		ug/L		96	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 130
Toluene-d8 (Surr)	88		70 - 130
4-Bromofluorobenzene (Surr)	87		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130

Eurofins Albuquerque

Dil Fac

Dil Fac

QC Sample Results

Client: Hilcorp Energy Job ID: 885-25105-1

RL

5.0

Project/Site: SJ 28-6 Unit 31

Lab Sample ID: MB 885-26628/6

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Air

Analysis Batch: 26628

Gasoline Range Organics [C6 - C10]

MB MB Result Qualifier Analyte

MB MB Surrogate %Recovery

Qualifier 105

ND

Limits 15 - 150

Spike

Added

Limits 15 - 150

50.0

05/21/25 11:19

Prepared

Prepared

%Rec

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

Prep Type: Total/NA

Lab Sample ID: LCS 885-26628/4

Matrix: Air

Analysis Batch: 26628

4-Bromofluorobenzene (Surr)

Analyte Gasoline Range Organics [C6 -C10]

Surrogate

4-Bromofluorobenzene (Surr)

LCS LCS %Recovery Qualifier 195

%Rec

Limits

Client Sample ID: Method Blank

Analyzed

05/21/25 11:19

Analyzed

ug/L

Unit

Unit

ug/L

LCS LCS

40.8

Result Qualifier

82 70 - 130

QC Association Summary

Client: Hilcorp Energy

Job ID: 885-25105-1

Project/Site: SJ 28-6 Unit 31

GC/MS VOA

Analysis Batch: 26885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-25105-1	SVE-1	Total/NA	Air	8260B	
MB 885-26885/5	Method Blank	Total/NA	Air	8260B	
LCS 885-26885/4	Lab Control Sample	Total/NA	Air	8260B	

GC VOA

Analysis Batch: 26628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-25105-1	SVE-1	Total/NA	Air	8015D	
MB 885-26628/6	Method Blank	Total/NA	Air	8015D	
LCS 885-26628/4	Lab Control Sample	Total/NA	Air	8015D	

Eurofins Albuquerque

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Lab Chronicle

Client: Hilcorp Energy Job ID: 885-25105-1

Project/Site: SJ 28-6 Unit 31

Client Sample ID: SVE-1 Lab Sample ID: 885-25105-1

Matrix: Air

Date Collected: 05/14/25 15:15 Date Received: 05/17/25 07:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260B		50	26885	СМ	EET ALB	05/23/25 14:24
Total/NA	Analysis	8015D		50	26628	JP	EET ALB	05/21/25 13:41

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

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Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-25105-1

Project/Site: SJ 28-6 Unit 31

Laboratory: Eurofins Albuquerque

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

Authority	Prog	Program		Expiration Date				
New Mexico	State		NM9425, NM0901	02-27-26				
0 ,	s are included in this rep does not offer certificatio		, but the laboratory is not certified by the governing authority. This list may in					
Analysis Method	Prep Method	Matrix	Matrix Analyte					
8015D		Air	Gasoline Range Organics	s [C6 - C10]				
8260B		Air	1,1,1,2-Tetrachloroethane	9				
8260B		Air	1,1,1-Trichloroethane					
8260B		Air	1,1,2,2-Tetrachloroethane	•				
8260B		Air	1,1,2-Trichloroethane					
8260B		Air	1,1-Dichloroethane					

Analysis Method	Prep Method	Matrix	Analyte
8015D		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
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
-			As Established

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-25105-1

Project/Site: SJ 28-6 Unit 31

Laboratory: Eurofins Albuquerque (Continued)

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

Authority	Progra	am	Identification Number Expiration Date
· ,	es are included in this report does not offer certification.	•	not certified by the governing authority. This list may include analytes
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
Oregon	NELAF	0	NM100001 02-26-26

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
8015D		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: 885-25105-1

Project/Site: SJ 28-6 Unit 31

Laboratory: Eurofins Albuquerque (Continued) Unless otherwise noted, all analytes for this laboratory were covered under e

ority	Progra	am	Identification Number Expiration Date
The following analytes	s are included in this repo	rt, but the laboratory is r	not certified by the governing authority. This list may include anal
	does not offer certification	· ·	, , , ,
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 8260B		Air	tert-Butylbenzene
		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

Eurofins Albuquerque

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ANALYTICAL SUMMARY REPORT

May 23, 2025

Eurofins TestAmerica - Albuquerque 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order: B25051566 Quote ID: B15626

Project Name: 88501698, SJ 28-6 Unit 31

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 5/20/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Date	Matrix	Test
B25051566-001	SVE-1 (885-25105-1)	05/14/25 15:15 05/20/25	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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Billings, MT 406.252.6325 . Casper, WY 307.235.0515

Report Date: 05/23/25

Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque

Project: 88501698, SJ 28-6 Unit 31

Collection Date: 05/14/25 15:15 Lab ID: DateReceived: 05/20/25 B25051566-001 Client Sample ID: SVE-1 (885-25105-1) Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By			
							.,,			
GAS CHROMATOGRAPHY ANALYSIS REPORT										
Oxygen	21.66	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Nitrogen	78.03	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Carbon Dioxide	0.26	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Methane	<0.01	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Ethane	<0.01	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Propane	<0.01	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
n-Butane	< 0.01	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Isopentane	< 0.01	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
n-Pentane	< 0.01	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Hexanes plus	0.05	Mol %		0.01		GPA 2261-13	05/21/25 11:33 / jrj			
Propane	< 0.001	gpm		0.001		GPA 2261-13	05/21/25 11:33 / jrj			
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	05/21/25 11:33 / jrj			
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	05/21/25 11:33 / jrj			
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	05/21/25 11:33 / jrj			
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	05/21/25 11:33 / jrj			
Hexanes plus	0.021	gpm		0.001		GPA 2261-13	05/21/25 11:33 / jrj			
GPM Total	0.021	gpm		0.001		GPA 2261-13	05/21/25 11:33 / jrj			
GPM Pentanes plus	0.021	gpm		0.001		GPA 2261-13	05/21/25 11:33 / jrj			
CALCULATED PROPERTIES										
Gross BTU per cu ft @ Std Cond. (HHV)	2			1		GPA 2261-13	05/21/25 11:33 / jrj			
Net BTU per cu ft @ std cond. (LHV)	2			1		GPA 2261-13	05/21/25 11:33 / jrj			
Pseudo-critical Pressure, psia	546			1		GPA 2261-13	05/21/25 11:33 / jrj			
Pseudo-critical Temperature, deg R	240			1		GPA 2261-13	05/21/25 11:33 / jrj			
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	05/21/25 11:33 / jrj			
Air, % - The analysis was not corrected for air.	98.98			0.01		GPA 2261-13	05/21/25 11:33 / jrj			
0011151170										

COMMENTS

- 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)

05/21/25 11:33 / jrj

Report Date: 05/23/25



Work Order: B25051566

Trust our People. Trust our Data. www.energylab.com

QA/QC Summary Report

Prepared by Billings, MT Branch

Analyte		Count	Result	Units	RL	%REC Lo	w Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-13									Batch:	R442830
Lab ID:	B25051566-001ADUP	12 Sar	mple Duplic	ate		Ru	ın: GC78	90_250521A		05/21/	25 12:22
Oxygen			21.3	Mol %	0.01				1.6	20	
Nitrogen			78.4	Mol %	0.01				0.4	20	
Carbon D	ioxide		0.26	Mol %	0.01				0.0	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	
Isopentar	ne		<0.01	Mol %	0.01					20	
n-Pentan	е		<0.01	Mol %	0.01					20	
Hexanes	plus		0.05	Mol %	0.01				0.0	20	
Lab ID:	LCS052125	11 Lab	ooratory Co	ntrol Sample		Ru	ın: GC78	90_250521A		05/21/	/25 14:51
Oxygen			0.60	Mol %	0.01	122	70	130			
Nitrogen			6.15	Mol %	0.01	104	70	130			
Carbon D	ioxide		0.98	Mol %	0.01	98	70	130			

0.01

0.01

0.01

0.01

0.01

0.01

0.01

0.01

100

102

101

83

101

100

102

102

Mol %

76.2

6.16

5.02

1.66

2.01

0.50

0.51

0.21

Qualifiers:

Methane

Ethane

Propane

Isobutane

n-Butane

Isopentane

n-Pentane

Hexanes plus

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

70

70

70

70

70

70

70

70

130

130

130

130

130

130

130

Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25051566

Login completed by: Crystal M. Jones		Date R	Received: 5/20/2025
Reviewed by: gmccartney		Rec	eived by: CMJ
Reviewed Date: 5/21/2025		Carri	er name: FedEx NDA
Shipping container/cooler in good condition?	Yes 🗸	No 🗌	Not Present
Custody seals intact on all shipping container(s)/cooler(s)?	Yes √	No 🗌	Not Present
Custody seals intact on all sample bottles?	Yes	No 🗌	Not Present ✓
Chain of custody present?	Yes ✓	No 🗌	
Chain of custody signed when relinquished and received?	Yes	No 🗹	
Chain of custody agrees with 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res CI, Sulfite, Ferrous Iron, etc.)	Yes √	No 🗌	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes	No 🗹	Not Applicable
Container/Temp Blank temperature:	18.7°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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

Page 4 of 7 5/27/2025

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number				
	Alaska	17-023				
	California	3087				
	Colorado	MT00005				
	Department of Defense (DoD)/ISO17025	ADE-2588				
Billings, MT	Florida (Primary NELAP)	E87668				
	Idaho	MT00005				
a d	Louisiana	05079				
ANAB	Montana	CERT0044				
ARSI hamonal Acciontation there	Nebraska	NE-OS-13-04				
TESTING LARGRATORY	Nevada	NV-C24-00250				
and the same	North Dakota	R-007				
	National Radon Proficiency	109383-RMP				
700	Oregon	4184				
MORATOR	South Dakota	ARSD 74:04:07				
	Texas	TX-C24-00302				
	US EPA Region VIII	Reciprocal				
	USDA Soil Permit	P330-20-00170				
	Washington	C1039				
	Alaska	20-006				
	California	3021				
	Colorado	WY00002				
	Florida (Primary NELAP)	E87641				
	Idaho	WY00002				
A THE STANK	Louisiana	05083				
Casper, WY	Montana	CERT0002				
acceso.	Nebraska	NE-OS-08-04				
	Nevada	NV-C24-00245				
MAGRICON	North Dakota	R-125				
	Oregon	WY200001				
	South Dakota	WY00002				
	Texas	T104704181-23-21				
	US EPA Region VIII	WY00002				
	USNRC License	49-26846-01				
	Washington	C1012				
Gillette, WY	US EPA Region VIII	WY00006				
	Colorado	MT00945				
Helena, MT	Montana	CERT0079				
	Nevada	NV-C24-00119				
	US EPA Region VIII	Reciprocal				
	USDA Soil Permit	P330-20-00090				

Eurofins Albuquerque 4901 Hawkins NE

Albuquerque, NM 87109

Chain of Custody Record

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Environment Testing

									DOM	1000						
Sampler: N/A			Ga	Garcia, Michelle							ng No(s):					
Phone: N/A					elle.garcia@et.eurofinsus.com New Mexic											
	NELAP - Oregon; State - Ne						Mexico					Job#:				
	ed:									etad					Codes:	
SANCHALLY CONTRACTOR OF THE PARTY OF THE PAR	TAT Requested (days):							lalysis	Reque	Steu						
	N/A	A.														
PO #:																
WO #:				- 2		4	1									
N/A Project #:				10	Gase								ners			
88501698				yes (ixed								ontain			
N/A				Sam ISD (es)/F		1				1		Oth	er:		
Sample Date	Sample Time			Field Filtered Perform MS/N	SUB (Fixed Gas								Total Number	Special	Instructions	s/Note:
	15:15	Preservat	ion Code:	\times									\times			
5/14/25	Mountain	G	Air		Х								1 See	Attached I	nstructions	
				Ш									B	2505	1566	
				+												
				1			1									
				+-												
				+												
				Sa	mple	Dispos	al (A	fee may l	be asses	sed if sa	amples a	re retai	ned lor	ger than	1 month)	
Dalara - Dallina	H. D. I. C			L				t	Dispo	sal By La	ab	Arc	chive Fo	r	Months	
Primary Deliveral	ble Rank: 2	4		Spe	ecial I	nstruction	ons/Q(C Require	ments:							
	Date:			Time:						Method of	f Shipment:					
Date/Time:		C	ompany		Recei	ved by:					Date/Tim	e;			Company	
Date/Time:		C	ompany		Recei	ved by:					Date/Time:				Company	
Date/Time:		C	ompany					A	.1./	1	Date/Tim	9:	- 1-		Company	,
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Primary Deliverable Rank: 2 Date/Time: Date/Time: Company Company Company	N/A Phone: N/A Due Date Requested: 5/27/2025 TAT Requested (days): N/A PO #: N/A Project #: 88501698 SSOW/#: N/A Sample Time Sample Q= Gerph, G=grab) Friscon, A-Ah) Preservation Code: 5/14/25 15:15 Mountain Matrix Preservation Code: 5/14/25 15:15 Mountain Matrix Air X Air X Air X Air X Date: Date/Time: Company Recei Company Recei	N/A Prope: N/A Due Date Requested: 5/27/2025 TAT Requested (days): N/A Project #: 88501698 SSOW#: N/A Project #: 88501698 SSOW#: N/A Project #: Project #: 88501698 SSOW#: N/A Project #: 88501698 SSOW#: N/A Project #: Project #: 88501698 SSOW#: N/A Project #: 88501698 SSOW#: N/A Project #: 88501698 SSOW#: N/A Project #: 88501698 Sample Type G=Ccomp, G=grab) Preservation Code: 5/14/25 Air X Air X Air X Sample Dispos Return To Special Instruction Date: Date: Date: Date: Date: Date: Date/Time: Company Received by:	N/A Prone: N/A Due Date Requested: 5/27/2025 TAT Requested (days): N/A Project #: 88501698 SSOWE: N/A Sample Date Type (C=comp, Time) G=crain G=crain G=crain G=crain G=crain G=crain G=crain G=crain Michelle Accreditations Required (See NELAP - Oregon; State- O0 N/A PO #: N/A Project #: 88501698 SSOWE: N/A Sample Date Type (C=comp, G=grab) Preservation Code: 5/14/25 Mountain Nountain Nountai	N/A Phone: N/A Phone: N/A N/A	Sampler: N/A Garcia, Michelle M/A Garcia, Michelle Starte, Michelle Garcia, Michelle Garcia	N/A Garcia, Michelle N/A State of Origin State of Origin N/A N/A	Sample Date Requested (days): Sample Date Requested (days): Sample Date Repussed (days): Sample Date Requested (days): Sample Sample Date Time Preservation Code: S/14/25 Mountain G Air X X Mountain G Air X X Mountain G Air X X Mountain G Air Cartes, LLC places the ownership of method, analyte & ascreditation compliance upon our subcontract laboratories. This as several contract to being analyzed, the samples must be shipped back to the Euroline Environment Testing South Contral, LLC places the ownership of method, analyte & ascreditation compliance upon our subcontract laboratories. This as several contract to date, return the signed Charles (LC places the ownership of method, analyte & ascreditation compliance upon our subcontract laboratories. This as a few contract laboratories. This as a few contract laboratories are current to date, return the signed Charles (LC places the contract laboratories. This as a few contract laboratories. This as a f	Sampler NAA Garcia, Michelle Frone: NAA Prone: NAA Due Date Requested: 527/2025 TAT Requested (days): NAA Po # NAA Sample Time Sample Date Preservation Code: Disposal Requested: 5214/25 Sample Date Preservation Code: Disposal Requested: 5214/25 Sample Date Preservation Code: NAA NAA NAA Sample Date Preservation Code: NAI Normonent Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipled back to the Eurofine Environment Testing South Central, LLC aberdion immediately. If all requested accreditations correlated by: Date: Date: Time: Date: Netword Requested: Carrier Tracking No(e): No(e): Note Now Mexico Now Mexico Note Note Network Mexico Analysis Requested Analysis Requested	Sampler Carner Tracking No(e): NA Garcia, Michelle Carner Tracking No(e): NA Garcia, Michelle Garcia, Michelle Carner Tracking No(e): NA Garcia, Michelle Carner Tracking No(e): NA Garcia, Michelle Carner Tracking No(e): Na Carner Tr	Sample Date Requested: Prosect Preservation: Preservatio	Sampler NA Garda, Michelle Phone E.Mair Michella gardia@et.eurofinsus.com NNA Accreditation Required (See note) NELAP - Oregon; State - New Mexico Dus State Requisated: S27/2025 Analysis Requisated TAT Requested (days): NA PO 8: NA NO 9 8 NA NO 9 9 NA NA NA NA NA NA NA NA NA NA









Received by OCD: 7/15/2025 9:52:28 AM

ICOC No:

885-4986

Containers

Container Type Tedlar Bag 1L Count

Preservative None

Subcontract Method Instructions

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

Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONM
Client: Hilcorp	☑ Standard □ Rush	ANALYSIS LABOR
	Project Name:	www.hallenvironmental.com
Mailing Address:	SJ 28-6 Unit 31	885-25105 COC 4901 Hawkins NE - Albuquerque, NM 8710
	SJ 28-6 Unit 31 Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #:		Analysis Request
email or Fax#: brandon. sinclair@hilcorp.com	Project Manager:	SO ₄ (SO ₂ (SO ₄ (SO
S QA/QC Package		BTEX / MTBE / TMB's (8021) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 8260 (VOA) Total Coliform (Present/Absent) \$\int O_1 S \times VO_2\$ \int V PH \int \frac{\int O_1}{\int V \int V} \frac{\int O_2}{\int V \int O_2} \int \frac{\int O_2}{\int V \int V} \frac{\int O_2}{\int V \int O_2}
☐ Standard ☐ Level 4 (Full Validation)	Kate Kaufman	MB's Pto DRO
Accreditation: Az Compliance	Sampler: Brandon Sinclair On Ice: Yes You	BTEX / MTBE / TMB's TPH:8015D(GRO / DRO 8081 Pesticides/8082 EDB (Method 504.1) PAHs by 8310 or 8270 RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , 8260 (VOA) Total Coliform (Presen \$\int 015 \text{TVPH}\$ \text{Fixed} gas 02
☐ NELAC ☐ Other	# of Coolers:	cides/8(GRO / (GRO / (GRO /))))))))))))))))))
	Cooler Temp(including CF): (°C)	MTBE ISD(GR ISD(GR ethod 5 y 8310 OA) OA) OA) OA) Comi-VC OA) A datase
		TEX / M PH:8015I D81 Pest D8 (Mett) D8 (Mett) CRA 8 N CRA 8 N 250 (VO/ 270 (Sen) otal Colif
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type	BTEX / MTBE / 1 TPH:8015D(GRO / 8081 Pesticides/8) EDB (Method 504 PAHs by 8310 or 8 RCRA 8 Metals CI, F, Br, NO ₃ , N 8260 (VOA) Total Coliform (Program of 1000 per
9 5 14 1616 11 516 1		
35-14 1515 air SVE-1	2 Tedlar	
23 - 19 13 3 1 3 E - 1 23 of 24		
Date Time Relinquished by	Received by Via. Date Time	Remarks:
Date Time Relinguished by	Received by Via courier Date Time	
	7:00	
If necessary samples submitted to Hall Environmental may be sub-	5/17/25	s possibility. Any sub-contracted data will be clearly notated on the analytical report







Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-25105-1

List Source: Eurofins Albuquerque Login Number: 25105

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
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	

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

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 485007

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	485007
	Action Type:
	[REPORT] Alternative Remediation Report (C-141AR)

CONDITIONS

Created By		Condition Date
nvelez	1. Continue O&M & sampling as stated in report. 2. Submit next quarterly report by October 15, 2025.	7/18/2025