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

April 15, 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: First Quarter 2025 – SVE System Update

L C Kelly 1E

San Juan County, New Mexico
Hilcorp Energy Company
NMOCD Incident Number: nAPP2308124076

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *First Quarter 2025 –SVE System Update* report summarizing the soil vapor extraction (SVE) system performance at the L C Kelly 1E natural gas production well (Site). The Site is located on land managed by the Bureau of Land Management (BLM) in Unit C, Section 5, Township 30 North, Range 12 West in San Juan County, New Mexico (Figure 1). The SVE system was put into operation on January 6, 2025, to remediate historical subsurface soil impacts discovered at the Site. This report summarizes Site activities performed in January, February, and March of 2025.

SVE SYSTEM SPECIFICATIONS

The SVE system at the Site consists of a 3-phase, 6 horsepower Roots 42 URAI positive displacement blower capable of producing approximately 140 inlet cubic feet per minute (icfm) flow at 100 inches of water column (IWC) vacuum at Site elevation. The system is powered by a generator capable of operating 24 hours per day. Additionally, a backup generator has been placed at the Site to minimize system downtime if there are operational/maintenance issues with the primary generator. Eleven SVE wells, SVE01 through SVE11, are currently in operation and are shown on Figure 2. The *Updated Site Investigation Report and Remediation Work Plan*, dated June 5, 2024, proposed extraction on SVE wells SVE01, SVE02, and SVE04 through SVE11; however, upon further evaluation, SVE03 was added to the system layout and plumbed to the manifold. The manifold was constructed in such a manner as to allow the wells to be cycled, if necessary.

SYSTEM STARTUP AND FIRST QUARTER 2025 ACTIVITIES

The SVE system began operation on January 6, 2025. Based on the New Mexico Oil Conservation Division (NMOCD) Conditions of Approval (COAs), dated March 15, 2024, operations and maintenance (O&M) visits and/or field data measurements were collected from the system daily for the first week of operation and then weekly thereafter for the remainder of January, February, and March of 2025. Field measurements included the following parameters: total system flow, estimated flow rates from each SVE well, photoionization detector (PID) measurements of volatile organic compounds (VOCs) from each SVE well, vacuum

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 848 East 2nd Ave | Durango, CO 81301 | ensolum.com L C Kelly 1 E

measurements from each SVE well, and oxygen/carbon dioxide measurements via hand-held analyzers from each SVE well. Field notes taken during O&M visits are presented in Appendix A.

Since startup, all Site SVE wells were operated in order to induce flow in impacted soil zones. Between January 6 and March 26, 2025, the SVE system operated for 1,743.2 hours for a runtime efficiency of 92 percent (%). Appendix B presents photographs of the runtime meter for calculating the first quarter 2025 runtime efficiency. Table 1 presents the SVE system operational hours and calculated percent runtime.

Based on the March 15, 2024, COAs, initial vapor samples were collected on January 6 and January 7, 2025, from a sample port located between the SVE piping manifold and the SVE blower using a high vacuum air sampler. Prior to collection, the emission sample was field screened with a PID for organic vapor monitoring (OVM). The vapor samples were collected directly into two 1-Liter Tedlar® bags and submitted to Eurofins Environment Testing (Eurofins) 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, VOCs following EPA Method 8260B, and fixed gas analysis of oxygen and carbon dioxide following Gas Processors Association (GPA) Method 2261. Subsequent samples were collected weekly for the first month of operation and then bi-weekly (twice per month). Tables 2 and 3 present a summary of field measurements and analytical data, respectively, collected between January and March of 2025. Full laboratory analytical reports are attached as Appendix C. Graphs 1 and 2 present oxygen and carbon dioxide levels over time, respectively. Vapor sampling will continue bi-monthly (every other month) for the first year of operation.

Vapor sample data and measured stack flow rates are used to estimate total mass recovered and total emissions generated by the SVE system (Table 4). Based on these estimates, 4,054 pounds (2.0 tons) of TVPH have been removed by the system to date.

DISCUSSION AND RECOMMENDATIONS

O&M visits will be conducted at least monthly and bi-monthly (every other month) sampling events 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.

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, PG* (licensed in TX, WA, & WY) Senior Managing Geologist (970) 903-1607 shyde@ensolum.com

(303) 887-2946 dmoir@ensolum.com



Daniel R. Moir, PG* (licensed in WY & TX)

Senior Managing Geologist

Hilcorp Energy Company First Quarter 2025 – SVE System Update L C Kelly 1 E

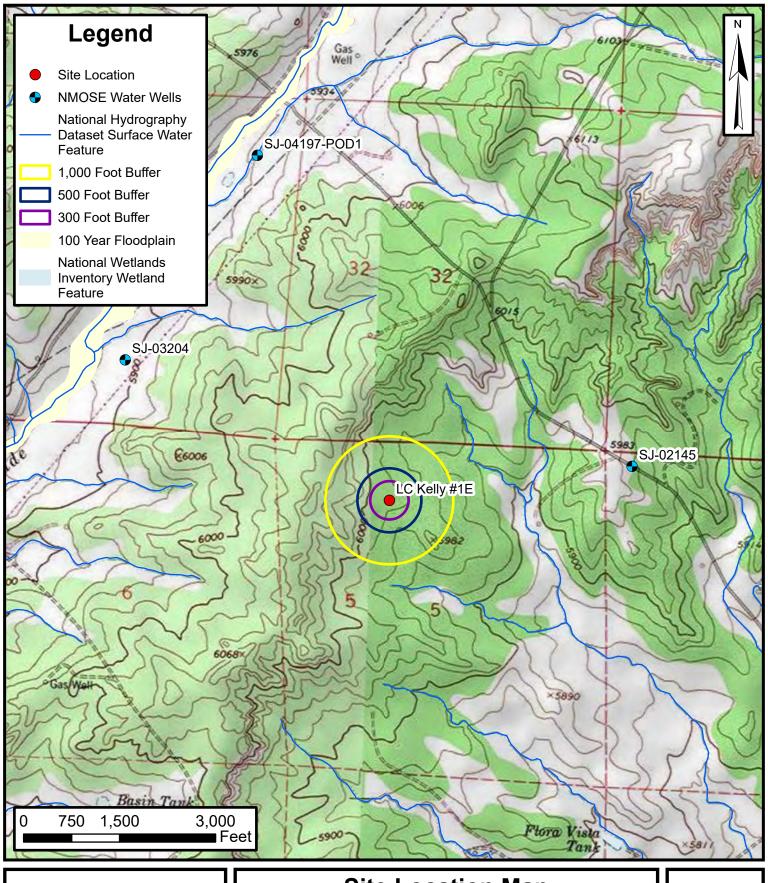
Page 3

Attachments:

Figure 1 Figure 2	Site Location Map Radius of Influence and Effect
Table 1	Soil Vapor Extraction System Runtime Calculations
Table 2	Soil Vapor Extraction System Field Measurements
Table 3	Soil Vapor Extraction System Air Analytical Results
Table 4	Soil Vapor Extraction System Mass Removal and Emissions
Graph 1	Oxygen vs Time
Graph 2	Carbon Dioxide vs Time
Appendix A	Field Notes
Appendix B	Project Photographs
Appendix C	Laboratory Analytical Reports



Figures

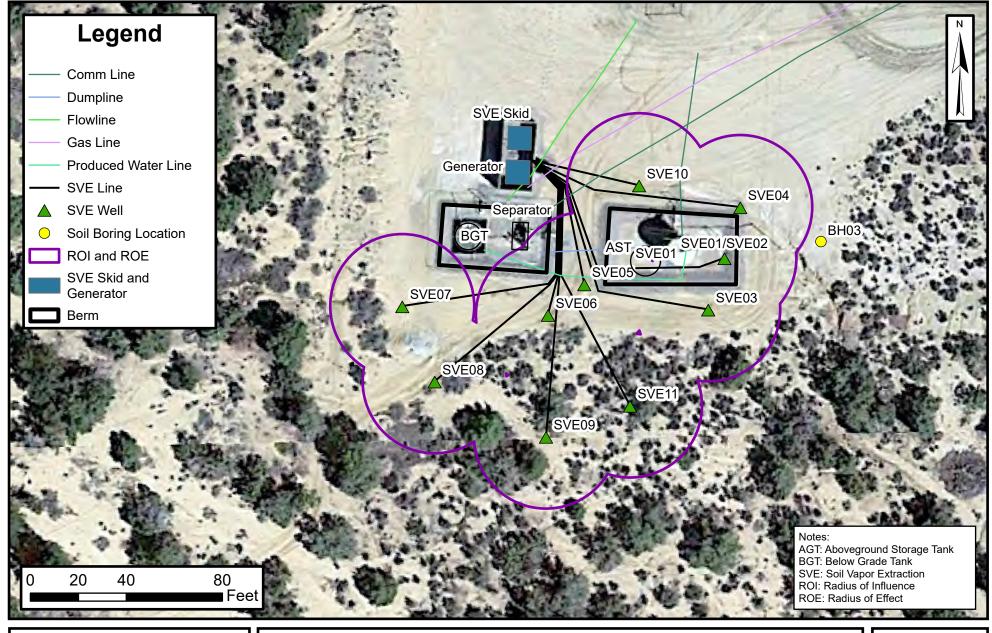




Site Location Map

L C Kelly #1E Hilcorp Energy Company

36.84600, -108.12450 Unit C, Sec 05, T30N, R12W San Juan County, New Mexico FIGURE





SVE System Radius of Influence and Radius of Effect

L C Kelly 1E Hilcorp Energy Company 36.84600, -108.12450 Unit C, Sec 05, T30N, R12W San Juan County, New Mexico FIGURE

2



Tables & Graphs



TABLE 1 SOIL VAPOR EXTRACTION SYSTEM RUNTIME CALCULATIONS

L C Kelly 1E Hilcorp Energy Company San Juan County, New Mexico

Date	Total Operational Hours	Delta Hours	Days	Percent Runtime	Cumulative Percent Runtime
1/6/2025	3.7		Start	rup (1)	
1/7/2025	25.4	21.7	1	90.4%	90.4%
1/8/2025	48.0	22.6	1	94.2%	92.3%
1/9/2025	74.1	26.1	1	108.8%	97.8%
1/10/2025	96.6	22.5	1	93.8%	96.8%
1/14/2025	192.6	96.0	4	100.0%	98.4%
1/22/2025	378.0	185.4	8	96.6%	97.5%
1/29/2025	528.0	150.0	7	89.3%	95.0%
2/5/2025	688.6	160.6	7	95.6%	95.1%
2/12/2025	807.6	119.0	7	70.8%	90.5%
2/19/2025	973.2	165.6	7	98.6%	91.8%
2/26/2025	1,084.2	111.0	7	66.1%	88.3%
3/5/2025	1,242.1	157.9	7	94.0%	89.0%
3/12/2025	1,406.2	164.1	7	97.7%	89.9%
3/26/2025	1,746.9	340.7	14	101.4%	91.9%

Notes:

The initial hour-meter reading prior to startup was 3.7 hours

Ensolum 1 of 1

ENSOLUM

TABLE 2 SOIL VAPOR EXTRACTION SYSTEM FIELD MEASUREMENTS L C Kelly 1E Hilcorp Energy Company San Juan County, New Mexico Carbon Dioxide PID Differential SVE Well ID Date Flow Rate (acfm) Flow Rate (scfm) Vacuum (IWC) Vacuum (psi) Oxygen (%) Pressure (IWC) (ppm) (%) 1/6/2025 1.512 0.36 210 134 76.5 2.8 8.6 >5.0 1/7/2025 692 0.32 198 127 74.8 2.7 16.9 4.16 1/8/2025 1/9/2025 338 0.36 210 137 68.0 2.5 18.7 >5.0 1/10/2025 633 0.35 207 135 68.0 2.5 20.1 >5.0 1/14/2025 293 0.40 221 145 68.0 2.5 20.7 0.78 1/22/2025 199 0.46 237 161 54.4 2.0 19.9 >5.0 Influent, All Wells 1/29/2025 654 0.40 221 150 54 4 2.0 19.3 >5.0 2/5/2025 439 0.34 204 133 68.0 2.5 20.8 >5.0 2/12/2025 0.36 210 143 54.4 2.0 20.9 0.54 2/19/2025 102 0.35 207 135 68.0 2.5 20.9 0.69 2/26/2025 368 0.32 198 137 47.6 20.7 0.98 583 0.35 207 143 47.6 1.7 3/5/2025 20.9 0.27 147 3/12/2025 420 216 54.4 2.0 20.9 0.27 3/26/2025 508 0.35 207 141 54.4 2.0 20.9 0.43 1/6/2025 1.216 29 19.1 66.1 2.4 3.7 >5.0 1/7/2025 1/8/2025 816 5 3.3 69.7 2.5 12.1 >5.0 1/9/2025 614 5 3.4 59.6 2.2 14.6 >5.0 2.3 1/10/2025 706 5 3.3 62.6 16.3 >5.0 1/14/2025 663 3.4 59.6 16.5 >5.0 586 4.2 40.2 1.5 19.1 >5.0 1/22/2025 6 SVE01 1/29/2025 812 4.8 50.5 1.8 20.9 0.61 2/5/2025 1,056 5 3.4 52.3 1.9 18.0 >5.0 574 5.5 48.6 1.8 18.4 >5.0 2/12/2025 470 4.7 60.1 2.2 20.3 0.95 2/19/2025 475 8 5.5 51.2 1.8 20.5 >5.0 2/26/2025 678 6.9 48.1 1.7 20.9 0.13 3/5/2025 10 3/12/2025 10 6.8 56.7 2.0 20.1 0.61 387 3/26/2025 322 6 4.2 48.0 1.7 19.9 >5.0 1,420 3.3 62.9 2.3 >5.0 1/6/2025 5 12.1 1/7/2025 1/8/2025 1,335 33 21.5 69.6 2.5 20.6 1.26 1/9/2025 815 17.4 59.1 2.1 20.9 0.49 26 17.5 2.1 1/10/2025 546 57.3 0.48 26 20.9 18.9 1/14/2025 470 57.1 0.59 28 2.1 20.7 1.4 824 17 12.1 39.1 19.8 1/22/2025 >5.0 SVE02 1/29/2025 583 26 18.0 48.0 1.7 16.9 >5.0 2/5/2025 519 28 19.0 55.5 2.0 20.9 0.33 2/12/2025 512 26 179 50.7 1.8 20.9 0.59 2/19/2025 357 28 18.9 57.6 2.1 20.9 0.27 2/26/2025 376 26 17.7 53.3 1.9 20.9 0.48 3/5/2025 691 24 16.7 45.6 16 20.1 0.59 3/12/2025 450 28 19.3 49.3 1.8 20.9 0.15 3/26/2025 348 22 15.4 45.2 1.6 20.8 0.24 1/6/2025 1 370 5 3.3 67 1 24 14 9 >5.0 1/7/2025 76.9 1/8/2025 793 2.8 19.5 2.58 1/9/2025 729 5 3.3 66.2 2.4 20.9 >5.0 1/10/2025 571 7 4.6 66.3 2.4 20.4 0.89 1/14/2025 8 5.3 65.2 2.4 20.1 0.89 1/22/2025 222 38 26.0 52.8 1.9 20.9 0.21 SVE03 1/29/2025 351 9 6.2 50.0 1.8 20.8 0.29 4.7 2/5/2025 587 56.4 2.0 20.1 0.50 114 12 2/12/2025 8.2 51.7 1.9 20.9 0.25 2/19/2025 125 10 6.7 59.6 2.2 20.9 0.17 2/26/2025 111 12 8.1 57.2 2.1 20.9 0.16 537 5.6 44.1 1.6 20.9 0.09 3/5/2025 8 428 10 6.9 49.8 1.8 20.9 0.12 3/12/2025 3/26/2025 418 10 7.0 41.7 1.5 20.9 0.12 1/6/2025 1,095 3.2 74.4 2.7 10.5 >5.0 1/7/2025 1/8/2025 623 5 3.1 81.1 2.9 11.5 >5.0 3.3 63.5 2.3 11.9 >5.0 1/9/2025 429 5 14.6 1/10/2025 415 3.3 67.2 2.4 >5.0 1/14/2025 480 5 3.3 66.1 2.4 16.1 >5.0 SVF04 650 17.8 1/22/2025 Well Offline - In Need of Repairs 1/29/2025 2.5 >5.0 2/5/2025 267 68.8 19.2 276 2.0 >5.0 2/12/2025 56.3 20.1 2/19/2025 142 65.4 24 197 >5.0 2.4 2/26/2025 102 65.2 20.7 0.89

ENSOLUM

TABLE 2 SOIL VAPOR EXTRACTION SYSTEM FIELD MEASUREMENTS L C Kelly 1E Hilcorp Energy Company San Juan County, New Mexico Carbon Dioxide PID Differential SVE Well ID Date Flow Rate (acfm) | Flow Rate (scfm) Vacuum (IWC) Vacuum (psi) Oxygen (%) Pressure (IWC) (ppm) (%) 3/5/2025 689 51.7 1.9 18.2 >5.0 SVE04 3/12/2025 574 58.5 2.1 19.0 >5.0 3/26/2025 481 50.2 1.8 19.0 >5.0 1,602 63.8 2.3 >5.0 1/6/2025 10 6.6 4.5 1/7/2025 1/8/2025 1,067 14 9.3 60.9 2.2 12.0 >5.0 1/9/2025 1,081 14 9.4 60.5 2.2 15.3 >5.0 1/10/2025 867 14 9.3 61.3 2.2 16.5 >5.0 1/14/2025 776 16 10.7 59.2 2.1 20.9 >5.0 1/22/2025 578 22 15.2 49.8 1.8 20.9 >5.0 SVE05 619 17.3 47.8 1/29/2025 25 20.1 >5.0 2/5/2025 563 30 20.2 58.1 2.1 20.7 >5.0 2/12/2025 208 35 24.2 49.2 1.8 20.1 >5.0 2/19/2025 301 34 23.3 51.2 1.8 20.1 >5.0 178 17.0 54.8 2.0 20.4 >5.0 2/26/2025 25 16.7 46.1 3/5/2025 682 24 1.7 20.6 0.43 50.1 20.4 0.54 386 20.7 1.8 3/12/2025 30 1.7 3/26/2025 318 25 17.3 48.1 20.9 0.29 18.7 60.3 5.8 1/6/2025 1,265 28 2.2 >5.0 1/7/2025 1,327 2.0 1/8/2025 33 22.4 55.6 18.6 2.62 1/9/2025 60.1 20.0 267 30 20.1 2.2 >5.0 2.2 1/10/2025 213 30 20.1 59.6 20.9 0.01 1/14/2025 190 60.0 36 24.1 2.2 20.9 0.08 2.1 1/22/2025 653 38 25.5 59.1 20.7 0.65 SVE06 1/29/2025 729 36 25.4 41.1 1.5 20.9 0.78 32 2/5/2025 708 22.5 41.7 1.5 20.9 0.32 2/12/2025 309 38 26.0 52.5 1.9 20.9 0.45 2/19/2025 503 38 26.8 41 1 1.5 20.9 0.84 2/26/2025 231 14 9.9 40.2 1.5 20.9 0.64 3/5/2025 733 7 49 40 A 15 20.9 0.14 3/12/2025 591 11 7.7 44.1 16 20.9 0.24 3/26/2025 610 28 19 9 39.2 14 20.9 0.21 17 11.3 63.5 2.3 >5.0 1/7/2025 1/8/2025 684 57.7 2.1 20.9 0.44 1/9/2025 392 18 11.9 63.9 2.3 17.5 >5.0 1/10/2025 311 18 11 9 64.8 2.3 20.9 0.01 1/14/2025 281 18 11.8 66.0 2.4 20.9 0.04 1/22/2025 366 18 12.1 57.2 20.1 0.67 SVE07 1/29/2025 465 18 12.2 55.3 2.0 20.3 0.75 501 18 11.9 63.6 19.4 >5.0 2/5/2025 2/12/2025 398 18 12.7 40.3 1.5 19.1 >5.0 2/19/2025 277 20 13.6 54.2 2.0 20.4 >5.0 225 18 12.0 62.2 2.2 20.9 >5.0 2/26/2025 3/5/2025 631 18 12.4 50.6 1.8 19.4 0.89 3/12/2025 600 18 12.3 52.8 1.9 19.1 0.76 3/26/2025 12 8.3 48.7 1.8 19.9 0.54 269 1/6/2025 517 13 8.6 64.3 2.3 7.3 >5.0 1/7/2025 621 18 12.1 58.5 2.1 16.5 >5.0 1/8/2025 281 14 9.4 60.0 2.2 17.3 >5.0 1/9/2025 1/10/2025 18 14 9.3 61.3 2.2 18.0 >5.0 412 2.3 1/14/2025 15 9.9 63.8 19.1 >5.0 318 1/22/2025 4.8 1.9 20.4 >5.0 52.7 331 18 12.2 55.6 2.0 18.9 >5.0 SVE08 1/29/2025 2/5/2025 259 15 10.0 62.3 2.2 19.8 >5.0 2/12/2025 152 8 5.4 54.0 1.9 19.7 0.82 2/19/2025 127 18 11.9 65.0 2.3 20.5 >5.0 2/26/2025 113 16 10.7 614 2.2 20.5 >5.0 3/5/2025 394 8 5.5 48.3 1.7 19.6 0.58 3/12/2025 276 15 10.4 49 1 1.8 19.8 0.62 3/26/2025 281 8 5.5 52.0 19 20.1 0.60 685 3.3 61.2 2.2 >5.0 9.4 1/6/2025 1/7/2025 72 7 1/8/2025 635 5 3.2 2.6 17 2 4 86 1/9/2025 727 5 3.3 63.2 2.3 19.1 >5.0 SVE09 1/10/2025 294 8 5.3 64.6 2.3 20.9 0.79 1/14/2025 362 7 46 63.1 2.3 20.9 0.80 1/22/2025 207 5 3.4 53.4 1.9 20.8 >5.0 49.3 20.8 >5.0

Ensolum 2 of 3

ENSOLUM

	TABLE 2 SOIL VAPOR EXTRACTION SYSTEM FIELD MEASUREMENTS L C Kelly 1E Hilcorp Energy Company San Juan County, New Mexico										
SVE Well ID	Date	PID (ppm)	Differential Pressure (IWC)	Flow Rate (acfm)	Flow Rate (scfm)	Vacuum (IWC)	Vacuum (psi)	Oxygen (%)	Carbon Dioxide (%)		
	2/5/2025	341		7	4.7	57.3	2.1	20.9	0.90		
	2/12/2025	131	-	6	4.1	56.0	2.0	20.9	0.82		
	2/19/2025	336	-	12	8.0	61.5	2.2	20.9	0.57		
SVE09	2/26/2025	198	-	8	5.4	59.2	2.1	20.9	0.68		
	3/5/2025	365	-	5	3.4	51.0	1.8	20.9	0.22		
	3/12/2025	489	-	-	-	49.8	1.8	20.9	0.36		
	3/26/2025	421		5	3.4	51.1	1.8	20.9	0.24		
	1/6/2025	1,307	-	5	-	71.9	_	3.0	>5.0		
	1/7/2025	-	-			-	_				
	1/8/2025	1,250		5	3.2	77.9	2.8	8.9	>5.0		
	1/9/2025	699		5	3.3	62.4	2.3	11.7	>5.0		
	1/10/2025	429		5	3.3	67.7	2.4	14.5	>5.0		
	1/14/2025	518		5	3.3	66.6	2.4	17.2	0.80		
	1/22/2025	1,385		5	3.5	42.2	1.5	20.3	>5.0		
SVE10	1/29/2025	672		5	3.7	18.9	0.7	14.9	>5.0		
	2/5/2025	714	-	5	3.5	46.4	1.7	13.9	>5.0		
	2/12/2025	530	-	5	3.4	58.5	2.1	13.3	>5.0		
	2/19/2025	195	-	12	8.0	63.1	2.3	18.8	>5.0		
	2/26/2025	214	-	30	20.1	59.5	2.1	19.8	>5.0		
	3/5/2025	1,056	-			49.8	1.8	15.2	>5.0		
	3/12/2025	941	-		-	45.9	1.7	16.1	>5.0		
	3/26/2025	850		5	3.5	48.9	1.8	17.8	>5.0		
	1/6/2025	846		7	4.7	61.8	2.2	12.5	>5.0		
	1/7/2025					-	-				
	1/8/2025	718		8	5.2	72.7	2.6	17.7	3.50		
	1/9/2025	699	-	5	3.3	63.0	2.3	19.0	>5.0		
	1/10/2025	449	-	5	3.4	57.8	2.1	19.5	>5.0		
	1/14/2025	701	-	5	3.4	55.1	2.0	19.1	0.79		
	1/22/2025	276		11	7.4	58.1	2.1	20.8	0.21		
SVE11	1/29/2025	278		6	3.8	74.5	2.7	20.9	0.21		
	2/5/2025	364		5	3.6	29.1	1.1	20.9	0.84		
	2/12/2025	134		5	3.6	33.6	1.2	20.9	0.96		
	2/19/2025	63		5	3.6	31.1	1.1	20.9	0.79		
	2/26/2025	176		15	11.0	27.2	1.0	20.9	0.49		
	3/5/2025	455		8	5.6	41.7	1.5	20.9	0.28		
	3/12/2025	398		10	7.0	44.2	1.6	20.9	0.42		
	3/26/2025	201		10	7.0	42.3	1.5	20.9	0.21		

Notes:

IWC: inches of water column
PID: photoionization detector
ppm: parts per million
acfm: actual cubic feet per minute
scfm: standard cubic feet per minute

%: percent

-: not measured

Ensolum 3 of 3



TABLE 3

SOIL VAPOR EXTRACTION SYSTEM EMISSIONS ANALYTICAL RESULTS

LC Kelly 1E

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 (%)			
1/6/2025	1,512	410	270	26	240	57,000 E	7.65%	12.40%			
1/7/2025	-	310	420	40	350	39,000	14.78%	5.20%			
1/14/2025	293.2	31	55	4.0	35	3,700	20.71%	1.06%			
1/22/2025	198.9	7.9	10	<2.0	<3.0	1,200	20.82%	0.75%			
1/29/2025	653.8	20	68	7.2	71	4,300	20.81%	1.21%			
2/5/2025	439.2	8.6	51	5.0	49	2,500	20.97%	0.89%			
2/12/2025	313.2	8.9	58	< 5.0	25	2,500	21.53%	0.74%			
3/12/2025	101.6	<5.0	6.1	<5.0	<7.5	660	21.22%	0.70%			
3/26/2025	508.2	3.7	28	4.8	56	2,000	21.36%	0.56%			

Notes:

GRO: gasoline range organics

μg/L: microgram per liter

PID: photoionization detector

ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

%: percent

Gray: less than laboratory reporting limit

E: result exceeded calibration range

Ensolum 1 of 1



TABLE 4 SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS L C Kelly 1E Hilcorp Energy Company San Juan County, New Mexico

Laboratory Analysis

	= and the system									
Date	PID (ppm)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)	TVPH (μg/L)				
1/6/2025	1,512	410	270	26	240	57,000				
1/7/2025	1	310	420	40	350	39,000				
1/14/2025	293.2	31	55	4	35	3,700				
1/22/2025	198.9	8	10	<2.0	<3.0	1,200				
1/29/2025	653.8	20	68	7	71	4,300				
2/5/2025	439.2	9	51	5	49	2,500				
2/12/2025	313.2	9	58	<5.0	25	2,500				
3/12/2025	101.6	<5.0	6	<5.0	<7.5	660				
3/26/2025	508.2	3.7	28	4.8	56	2,000				
Average	503	89	107	11	93	12,540				

Vapor Extraction Summary

	·								
Date	Flow Rate (scfm)	Total System Flow (cf)	Delta Flow (cf)	Benzene (lb/hr)	Toluene (lb/hr)	Ethylbenzene (lb/hr)	Total Xylenes (lb/hr)	TVPH (lb/hr)	
1/6/2025	134				System Startup				
1/7/2025 (1)	134	174,468	174,468	0.180	0.17	0.0165	0.148	24.1	
1/14/2025	145	1,454,640	1,454,640	0.092	0.13	0.0119	0.104	11.6	
1/22/2025	161	1,790,964	1,790,964	0.012	0.02	0.0018	0.011	1.48	
1/29/2025	133	1,197,000	1,197,000	0.007	0.02	0.0023	0.018	1.37	
2/5/2025	133	1,281,588	1,281,588	0.007	0.03	0.0030	0.030	1.69	
2/12/2025	143	1,021,020	1,021,020	0.005	0.03	0.0027	0.020	1.34	
3/12/2025	147	1,460,592	1,460,592	0.004	0.02	0.0027	0.009	0.87	
3/26/2025	141	6,545,502	6,545,502	0.002	0.01	0.0026	0.017	0.70	
Average 0.039 0.053 0.0055 0.04								5.38	

Mass Recovery

Date	Total Operational Hours	Delta Hours	Benzene (pounds)	Toluene (pounds)	Ethylbenzene (pounds)	Total Xylenes (pounds)	TVPH (pounds)	TVPH (tons)
1/6/2025	3.7	•			System Startup			
1/7/2025	25.4	22	3.9	3.8	0.36	3.2	522	0.26
1/14/2025	192.6	167	15.5	22	1.99	17	1,936	0.97
1/22/2025	378.0	185	2.2	4	0.3	2	274	0.14
1/29/2025	528.0	150	1.0	2.9	0.34	2.8	205	0.10
2/5/2025	688.6	161	1.1	5	0.5	4.8	272	0.14
2/12/2025	807.6	119	0.6	3	0.3	2	159	0.08
3/12/2025	973.2	166	0.6	3	0.5	1	144	0.07
3/26/2025	1,746.9	774	1.8	7	2.0	13	543	0.27
	Total Ma	ss Recovery to Date	27	50	6	47	4,054	2.0

Notes:

(1) Flow rate for 1/7/2025 estimated as the flow rate from the previous day

cf: cubic feet

scfm: cubic feet per minute μg/L: micrograms per liter

lb/hr: pounds per hour

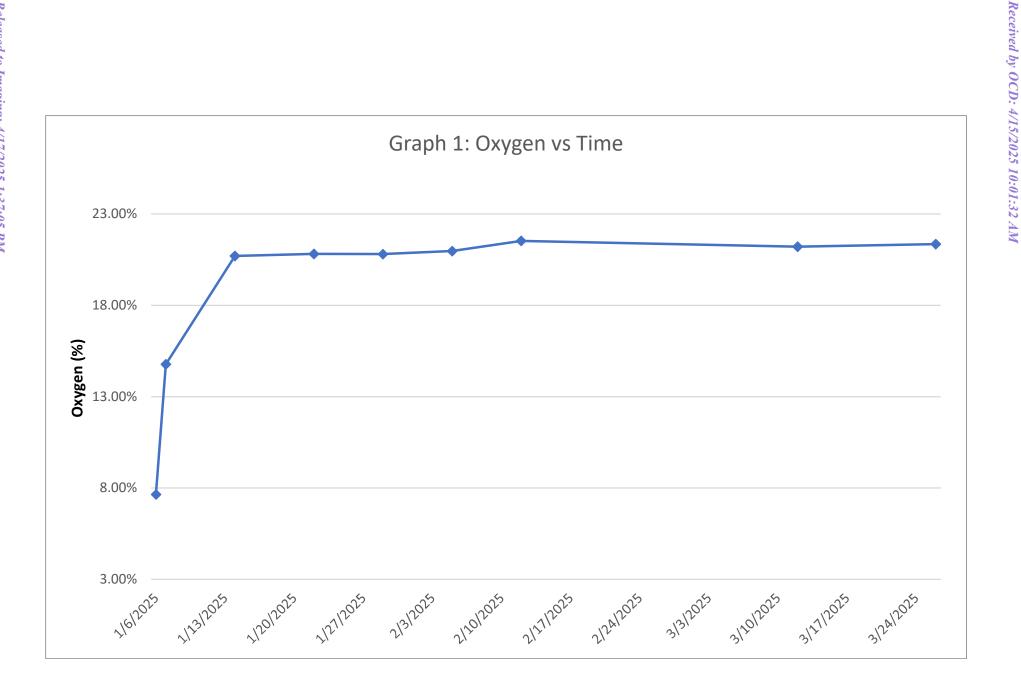
PID: photoionization detector

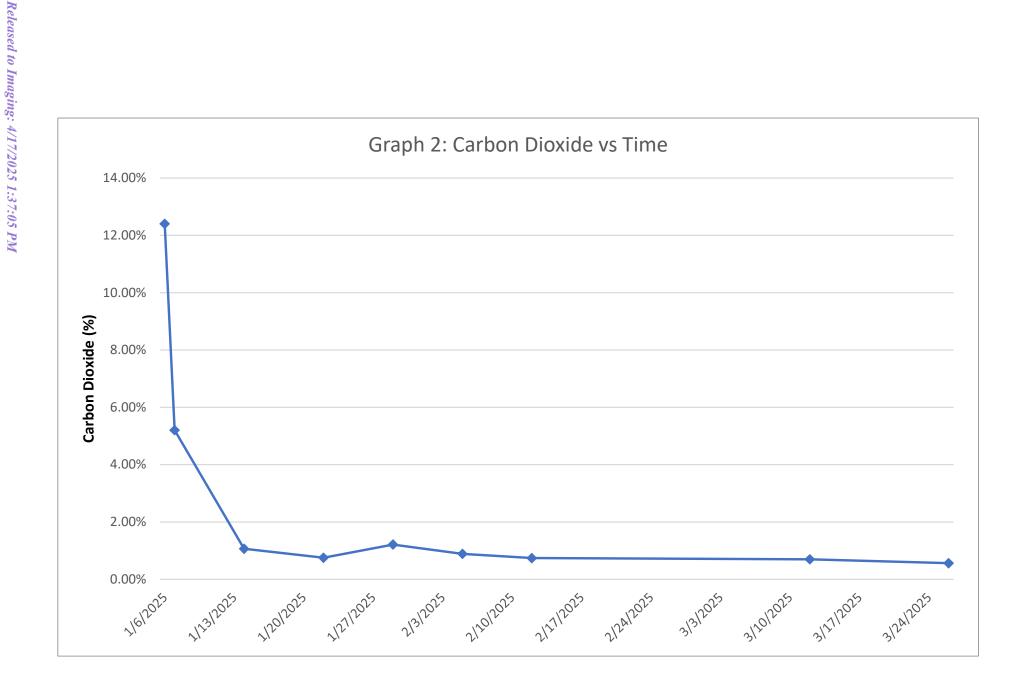
ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

gray: laboratory reporting limit used for calculating emissions

Ensolum 1 of 1







APPENDIX A

Field Notes

	Kelly HIE D	ate 1-6-25 65
Location		
Project / Client	well head Vace	
14435	638	
0.3	vol.	
SVE	Vacible Oz	1,602
AANSOS		1,602
703		
09	61,2 4.4 75 64,3 7,3 75 63,5 7,2 75	517
63	107,5 7,5	231
67	64,3 7,3 35 63,5 7,2 35 60,3 5,8 35	0 1,265
O I A Deep	66.1 3.7 >5	
0 1 8	62.9 12.1 35	
	74.4 10.5	THE RESIDENCE OF THE PROPERTY OF THE PARTY O
	719303	0 1,307
13:10-	Tan Singar	
enic	Influent 1- sample colle	400
PID	512	Influent
	1,512 ppm 202.15 vol 1.	JANTINEN -
	8 () BA 1 6 /	
4		gangei 5.0 mHg
		Inflicent
	S G GPM	1)1.H Press
1 7 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	55°/ LEL	0.36 INC
	DDIA LEL	H's Host

St.

Mal

Ser.

WANTE !

IN

1

Delta C Kelly HIE Date 1-6-25 Delta No. No
Project/Client SVE O+ M contid Manifold Readings @ 13:30 Well Vac Flow Lights? SVE01 4.0 29 Maybe, little U2 4.0 5
Manifold Readings @ 13:30 Well Vac Flow Ligards? SVE01 4.0 29 maybe, little U2 4.0 5
SVE01 4.0 29 maybe, little 02 4.0 5
SVE01 4.0 29 maybe, little 02 4.0 5
02 4.0 5
02 4,0 5 03 4,0 ×5 04 4.5 75 05 4,0 10 06 9.5 28 Y 07 3.5 17 08 4,5 13 09 4.5 75 10 4.5 75 11 4.5 7
03
0年 4.5 75 05 4.0 10 06 9.5 28 Y 07 3.5 17 08 - 4.5 13 09 4.5 75 10 4.5 75 11 4.5 7 Y
05 4.0 10 06 9.5 28 Y 07 3.5 17 08 4.5 13 09 4.5 75 10 4.5 765 11 4.5 7
06 9.5 28 7 07 3.5 17 08 4.5 13 09 4.5 75 10 4.5 765 11 4.5 7
08 - 4,5 13 09 4.5 75 10 4.5 76 11 4.5 7
08 4.5 75 10 4.5 765 11 4.5 7 Y
10.14.5 75 11.10.14.5 7.1 Y
102 14.5 7 65 111 7 14.5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Thesmo anomome tes in 4" 5ch 80 1,130 FPM @45.6°F
1,150 FPM (245.6 9-
1410-Shut down system so Bryan
Can work on generator (back up) 1440 - Eack on
1440 - back on
Ars-3.7 @15:05

18 of 255

Received by OCD: 4/15/2025 10:01:32 AM

一个一个一个一个

Date 1/8/25 Location LC Kelly O4M

Project / Client LC Kelly to gererator 12 Reading 30 Blower Hor - 48.0 Generalis Urs - 468.0 Angs-VFD H2 - 60.0 Pressure -0.32 in Hzo 0

Received by OCD: 4/15/2025 10:01:32 AM

Crowconcental Englose	X	Location		c kelly	IE	Date 1-	8-25
		Project	t / Client _	<u>(24</u>	M conth	Line	
			HUE	PIN	V01/	Vel-	THEL
		11	VAC	1112	Jay _	COZ	CHY
	MW		69.7		12.1	>5	9
			69.6			1.26	13
			76.9			2.58	6
	000	Part of the	81.1	623		55	6
	05		60.9	1067		55	6
	00		57.7	1,32		2.62	19
	07	The second second	58.5		The second secon	0.44	
	00			621	16.5	75	6
	107		72.7	635	17.2	4.86	6
			77.9	1,250	8.9	>5	11
			+2+	718	17.7	3.5	5
			inth	SCKN			
Y	JELL,	V	AC	FLOW	Liguds		
	uw oi		15	5	Ves		
	02	THE RESERVE TO SHARE THE PARTY OF THE PARTY	4,5	33	Yas / Ute		
	034	th c	1.5				
	04	4	1,5	>5			
	05	5	.0	514	You		
	06).0	23	Ves/Lite		
	07-04	0					
	78	5	0				
C)9	4	5	55	Ven/Lite		
11		4.	5		White the second		
		600	6	8.0	Yes		

Date 1/9/25 113 Location LC KClly

Location Odm

Project / Client Odm 900 to Unity 1015 Onne, system conny, PPE, Wellburd 5 MW07 welthead tupe sisco, suching fist. Turned of & cleared Flow stem tube tape MWO7 connect. MWWW, cloqque putholdebus with blower, 03,04,07 Frazon & Flow tobes Bayon and boat trace frage 1445 offsite, drop off somplas 15 topped Redund & 1100 Blower His - 741 VFD H2 - 60.0 Pre Ko Vac - 5508 in Ha Diff Presure -036 inHio Influent:01929 Sac 70.8 120C

114
Location LC Kelly
Project / Client Of W Courto

		200			9,1115
WELL	VAC	PID	Oxy	0-5000	CHY OLEV
MW OI	59.6	614.2	14.6	Ouer	10
02	59.1	814.6	20,9	4940	6
03	66.2	729.1	20.0	Ovac	. 6
04	63.5	429,1	11.9	Over	10
05	60.5	10081	15.3	Over	12
06	60.1		20.0		3
07-	03.9	391.7	17.5	Over	7
08	60.0	230.8	17,3	Over.	
09	63.2			14	
10	62.4	362.1	11.7	Over	
M	63,0	693.5	19,0	Over	
WELL	VACIARS	FLUND	Liquidi	0 12	5
MWOI	4.5	>6	Yes.		
02	4.0	26			
100 3	4.67	75	Lite		
10404 04	4.5	75	like		
05	4.6	14	Ve 2-		
06	100	30	Yes		
1110 7-	5.5	18	Vis		
08	4.5	14	Yes		
09	40		Wes		
MID	4,5		Nib		
	5.5	75	Yus		

Date // Date Awar Project / Client _____ Jest on site 1030 System Cunny 1 PDE Jun, generator of level overland. Kutenke 1/15 th MWOI, 10, 03, 09 flow tubes flooded / Shushing blowerd fuber, 1400 offatte Readings @ 1115 Blower Hoss Pre 140 vAC: 5:0 Diff Presence 35.0 6 %LEL POM

	ation LC K	_ Date 1/	10/2	ation		
Proj	ect / Client	ZD)	Dar ou		broject)	
WELL	Acla	PIOPP	ON Selle	782M		
MWOI		706.4		Over	CHy EU.	
07		546.2		4820		
03				3920	2	
04	67.2			Over		
	61.3				3	
06	59.5	2133	20.9	440	0	
07	648	8310.8	20.9	540		
18	613	18,0	518.0	Over	2	
	646	294.2	20.9	7330	0	
	61.7	428.6	44.5	Over	6	
	57.8	448.8	19,6	Over		
West	VACINHA	FLOW	Manials	@ 113	5	
MWOI	4.0	>5	Ver Areas			
02	4.0					
03			You			
04	4.5	5				
05	4.0	14				
06	9.6	30				
07	5.5		1000 - Not / France			
08	40	14	Vac.			
	4.6		Van			
10	5.0	75				
	5.5	> 5	Yes			

Page 24 of 255

14/25 LC Kelly 1E Haran L Project / Client Onorte, 6/8len (unning. PPB, stut Oan Lines into flow tube have some ice. Stush or frozen flow tubes, pulled lines, flaguel Took reading before and after Ime flush 5mples and numbernec KO tend Drewed about 40 gillows of Water from KD tok Readings 0 1115 Bluwes H13: 192.6 VFD HZ: 60.0 Pre Ko VAC: 5.0 40 Diff Presquere: Influent: Marz VAC: 712 inc 7932ppm

	MACION	PID	DXY	CO2 200	CHy % WIL
WW OI	59.6	6626	16.5	Over	
07	57.1	468.9	20.7	5880	2
	65.2	5219	20.1	8880	2
04	66.1	480.1	161	WAR	5
05	59.2		20.9	0,40	3
	60.0	187,5	20.9	820	0
07	(c6.0	280.0	20.9	440	6
08	63.8	412.3	19.1	Over	2
09		361.7-	20,9	3000	0
	66.6	5/8.2	172	8000	
		7011		7880	
WELL	VACIANA	FLOW	Whats		
01	4.5	>5			
02		28	West 2		
03		• 7	Fwh - 10e		
04	45		Full - Fr	The sale	
05	4.0		Y		
06	10.6	36	1110		
07					
00	4.5		Van I Com		
01	4.5	-7			
100	4.5	76	FWI - FR	en line	
11					

WELL	VAC	PID PPM	DXY	COZ	CH4 LELY			
01	40,2	585.6	191	May				
02	3911	TOWN.	19,8	Over	5			
03	52.8	221.9	20.9	2100	2			
04	E AUA	646.9	17.8					
09	49.8	578,2	20.9	Wes	3			
06	59.1	653.4	20.7	6480	4			
07		365.6		1117	5			
08			20,4	Wis	0			
09		207.9		Over				
10	421	1385	20.3	anau	23			
	53.1	276.1	20.8	2120				
WELL	VAC MA	FLOW	LAGIMA	0 130	0			
01	2.0		HEAVY					
02	2.0	17	11th					
03	3/2.5	38	utalle					
04			11/4					
05	25	22	1 te					
06	3.0	3	LITE					
07	5.0	18	lite					
08	3.0		Lite					
09	3	5	Auch					
10	3.0	75	1200/Ala					
g: 4/17/2025 1:37:05 PM	500		Meany					

Received by OCD: 4/15/2025 10:01:32 AM

BHO2 BHO2

BH09 BH09

8406

0

ME

Location AM CONT'D Project / Client 50.5 MWOI ·UVER 533.1 02 2 30 361.0 20.8 03 01500 2060 OFF 04 OUER 20.1 618.6 05 7800 209 723.7 06 7430 465.3 20.3 55.3 07 OVER 18,9 333.1 55.6 08 49.3 QUER OVEZ 672.2 4.9 20.9 2060 FLOW VAC 16 NELL liquids MWOI The con 400 02 26 400 Fice deck 101500 25 05 A Little 36 06 Litte 6.0 Lite-4.0 4th Floorente 10

Ball

colle

144

Location LC Kelly #1F Date 2/5/25 Project / Client Ot M / Sampling pruchtools, P.D. Hotocomp, vacnular, Multiges 0830 Faul to Lanely 1000 Orsata, PPE 105A, system summy Plush lines, some cotameters flooded Frozen: Paun +40 galling from Kotunk Replaced MW04 Inc, open and finsh. Low VAC Blow out lines, heavy sed and such collect samples. Adjust welding blankets Readings 0 1120 Blower Hos: 688.6 VFD HEST 655 Parko VAC: 5.0 Diff Bremse: 34 nfluent @ 1320 VAC: 71.6

Project / Client Ot M CONTO

Fruject					
MELL	1/AC	PID	DXX	202	CHILLIPS
MNOI		1056		OVER	6
02	55.5	518.9	20.9	3320	0
03	56.4	586.8	20.	5020	
04	68.8	266.7	19.2	OVER	5
05	58.1			OVER	
06	4.17	708.2	20.9	3240	0
07	63.6	501.1	19.4	OVER	
		259.4		OVER	0
			20.9	8980	6
10	46.4	743.7			
	29.1	363.7	20.9	8380	0
		SCFF			
MELL	VAC	FLOW	19416		
TAM O	5.5	>5	Yes		
	4.0	28	Lite		
03	4.0	7	Yes		
04	1,0	NA	RA Fa	ozen Line In	
05	4.0	30	NO		
06	5.0	32	10		
07	5.5	18	Lite		
08	4.5	15	Lite		
09	4.0	7	Yes		
10	3.5	35	105		
11	25				

Location LC Kelly #1E Date 2/12/25 Project/Client O&M/Samplus AL Trick/ Tools, HARCPurp, Multiger, VAC, PID 0830 Towel to 10 my 1000 Oaske, PPE/188A Welding blanker, blawn off mia. Fold System Curry. Alush lines, heavy fluids In rotaniters. Shut off / Drain Ko tonk 32 gillons, foran spint and filter. Found blankets, ce install, 5 mplus Bealings @ MB Blower Hcs 1 807.6 VFD Has: 95.55 Par 10 MAC: 4.0 iff Porsone: 36 Influent@1240 VAC: 62:6

Location LC hully the

Date 2/12/25

Project/Client Ohm Conto

ME		MAC	200		600	CHA
		48.6	574.0	18.4	Over	0
		50.7	512.2	20.9	5860	
			114.2		2466	0
		56.3	275.6	20.1	OVEZ	3
0		49,2	208.1	20.1	ONCR	
0		52.5	368.9	20,9	4480	0
0		40.3	397.6	19.1	Over	0
	A STATE OF THE PARTY OF THE PAR	54.0	161.9	19.7	8220	0
	9	56.0	130.5		2	0
	0	58.5	529.9	13,3	OVER	9 10
		33.0	133.8	133,20.9	9620	0
	Elle	MAC	EUN	Ligue	5	
		4.0	6	Heavy		
	2	4.5	26	Light		
		4.6	12	Light		
		2.0	ava-	Hagry		
		4.6	35	-		
		2.0	58	1		
		110	7	Van.		
		40	10	100		
		5.0	6	Ven/20	dumit	
		4.0	5		adimont	

Location LC Kelly # 1 E 25 Date 2/19/25 15 project / Client Oth Kacal 1100. Onsite JOALIPPE, Dysten running Multiple lines/cote meters full of Aluids. Flushed and cleaned out wes and cotameters. Take andings NOX motors and clean. & Turn of FED blow and clear Ko tank 1400 0 Page Readiage 0 1130 Blower Hcs: 973.2 VFD HZ: 55.55 Pre Ko VAC: 5.0 Diff Pressure: 35 nfluent C 1135 Rite in the Rain

Received by OCD: 4/15/2025 10:01:32 AM	Project	Project / Client					
			DID	081	002	CHU	
	WELL		470.0	20.3	9480		
	MWOI	60.1		20.9	2680	0	
	02	59.6	174.8	20.9	1720	0	
	03	65.4	141.8	197	OUES	0	
		51.2	30t. 1	20.1	OVER		
		41,	503.1	20.9	8440		
	06	54.2	27.1		OVE		
	02	65.0	127.2	20.5	OVER	0	
	01	61.5	336.4	20.9	5720	0	
		63.1	1949	18.8	OVER		
		31.1	62.8	20.9	7860		
	NELL	VAC	ELOW.	Flud	5		
	WOI	4.5	7	Heavy			
	02	4,5	28	Ush			
	03	4.5		Hoavy			
	04	2.5	NA	ADA			
	05	4.0	34	NO			
		6.0		Light			
	07	4.5	20	Yes			
			18				
		4.5		Hay			
	10	5.0					
		47		HOMY			
			75	Hew			

Page 36 of 255

D: 4/15/2025 10:01:32 AM	38	10	Kelly		Date 212	24/29	1000 d	Page 38 of
	Location . Project /	client	0400	CONTID			Profe	
	MELL			DXX				
	MWDI	51.2			4820			1
	or	53.3	3760		1565			1
	03	57.2	1012		8880	0		
	04	65.2	101.7	20.4	OVER			
	05	54.8	231.4	20.9	6440	0		
	06	40.2	224.7	20.4	OVER	0		
	07	62.2	112.8	20.5		0		
	08	61.4	198.4	70,9	6820	0		
		59.5	213.6			0		
			176.4		Van V	0		
	WELL	WAC	FLOW	Fluids				
	MNOI	3.0	8	Heavy	Foam Rel			1
	02	3.0	26	8				
	03	3.0	12	Ves				
	04	2.0	NA	NA				
	05	2.5	25	4414				1
	06		14	LIAH				1
		5.0	18	405				1
	No No	5.5						1
			8	Ves.				1
		43	30	UIN				
			16		KUU			
	03 03 000 110	4.0 4.5 4.5 4.5	14 18 16 30	Light Light Yes Wes Light Heave	Rebu			1

Location LC Kelly #1E Project / Client O4M

0945 Taxelto LC Kelly, P/u CLR 100 Orsite, PPELSA. System cunning MW06 Blowcracked, Cepoured Flushed and CIR all lines and tubes Rebuilt and cleared MW10,06,11,09,05 shop vac/blow out lives from Well heard and manifold Shut off blower, pulload dry filter 12 gallons Ferreur & from Ko Tank Readus 1400 Blower Hours: 1242.1 VFD Hz: 59.00 Pre Kovac: 3.5 Piff Pressure: 35 Influent @ 1415

Project /		CULY #1			5/25
NELL	MAC		DXX		CHy
MUOI	48.1			1260	0
07	45.6				3
03	44,	COLUMN TO A STATE OF THE PARTY			0
OU	51.7		18.2		
05	46.		20.6		
06	40.8	733.3		1440	
07	50.6	630.7	19.4	8900	0
0-3	48.3	394.2	19.6	5840	0
09	51.0	364.9		2200	
10	49.8	1056	15.2	OVER	13
	41.7	454.6	20.9	2800	
	VAC		Liguids		
MUJOI	3.5	10	8		
02	3.5	24	8-		
03	3.0	8	404		
04	NA	NA	NA	Replace	Jauge
05	2.0	24	8		
06	6.0	7	9-		
07	4.5	18	Light		
08	3.0	8	LIAH		
09	3.6	>6	400		
	5.0	6	9-11	Flan, Liv	2 da
	50	2			

ed by OCD: 4/15/2025 10:01:32 AM Project/ Client Hilcorp Oam

Date 3/12/25

Location LC Kelly HE Project / Client Hilcorp Oam

1000 Onsite, SSA/PPE

system ourning, manifold flooded.

Pull lines and Flush. Gean tubes.

Flugh/air out lines. Take readings and

samples. Short Down blower, KO tank Drained 24 gallons from ko Tunh

Readings @ 1215

Blower Hours: 1406.2

VFD Hz: 55.55

Pre KO VAC: 4.0

Diff Pressure: 38

VAC:

00

2740

386.8 20.1 6100 49.3 450.0 20.9 1480

VAC PID DXY

49.8 428,4 20.9

04 58.5 574.1 19.0 Oves

5440) 386.4 20.1 50.1 44.1 591.2 20.9 2440

599.8 19.1 52-8 7640

49.1 276.4 19.8 6220 488.8 20.9 3600 49.8

45.9 940.5 16.1 Wec

397.7 20.9 4200 44.2

FLOW Liguds MWOI 4.0 Yes 10 02 4.0 28 Light 03 4.0 10

4 04 1.0 MA 05

30 06 0 7.0 07 0 5.0

18 08 Heavy 09 Heavy MA

tervi

Whatel PID

Date 3/26/28 ocation LC Kelly #1E OIR CONTO roject / Client 0900 Travel to LC Kelly 1000 Onsite, JSA/PPE MWII, 01, 10 flooded @ manifestel Clark and flushed MW04 shill reads 1.0 psi, account ohingers VAC gruge Prain KO turk 5 gallons Draned foon timber Readings @ 1200 Blower H13: 1746.9 VFD Hz: 55.55 Pako VAC: Off Presuse: nfluate VAC: 57.2 PID: 508.2 0xy: 20.9 H25: 0.3 2 pm CO2: 4280 per Exhaust PD: 674.

Alto in the Rein.

Location LC-Kully #16 Project / Client Hilcorp 04M

Well	VAC	PID	DXY	<u>C02</u>	CHY
MWOL	48.0	321.6	19.9	OVER	1
02	49.2	347.8	20.8	2440	0
03	41.4	413.1	20.9	1220	0
04	50.2	481.1	19.0	OVER	2
05	43.1	317.7	20.7	2900	0
06	34.2	610.1	20.9	2100	0
07	48.7	269.1	19.9	5440	0
08	52.0	281.2	20.1	6000	0
09	51.1		70.7	2440	0
	48.9		17.8	OVER	2
	42.3	201.1	20.9	2120	0
Well	VAC	FLOW	119/16		
MWOI	3.5	6	123		
02	3.0	22	light		
03	3.5	10	Light		
04	1.0	NA	NA		
05	3.0	25	NO		
06	7.0	28	Heavy		
07	5.0	12	Ves		
08	3.5	8	Yes		
09	3.5	5	185		
	5.0	75	Floude		
	5.6	10	Flood		



APPENDIX B

Project Photographs

PROJECT PHOTOGRAPHS

LC Kelly 1E San Juan County, New Mexico Hilcorp Energy Company

Photograph 1

Runtime meter taken on January 10, 2025 at 11:15 AM Hours = 96.6



Photograph 2

Runtime meter taken on March 26, 2025 at 12:00 PM Hours = 1,746.9





APPENDIX C

Laboratory Analytical Reports

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/22/2025 3:22:25 PM

JOB DESCRIPTION

LC Kelly #1E

JOB NUMBER

885-18020-1

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 1/22/2025 3:22:25 PM

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

Page 2 of 27 1/22/2025

Client: Hilcorp Energy
Laboratory Job ID: 885-18020-1
Project/Site: LC Kelly #1E

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	10
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Subcontract Data	18
Chain of Custody	26
Receipt Checklists	27

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-18020-1 Project/Site: LC Kelly #1E

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

Result exceeded calibration range.

Glossary

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

Percent Recovery %R **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) **DER**

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)

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

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

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**

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC**

Case Narrative

Client: Hilcorp Energy Job ID: 885-18020-1 Project: LC Kelly #1E

Job ID: 885-18020-1 **Eurofins Albuquerque**

Job Narrative 885-18020-1

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 samples were received on 1/8/2025 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C.

Subcontract Work

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

Gasoline Range Organics

Method 8015D GRO MS: Air sample was analyzed at maximum practical dilution (50x), however GRO recovery exceeded curve limits. CCV and LCS were recovered within acceptable limits. E-flagged results will therefore be reported as estimates.

Influent 1-6-25 (885-18020-1)

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

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch 885-19103 recovered above the upper control limit for 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.

Client: Hilcorp Energy Job ID: 885-18020-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 1-6-25

Date Collected: 01/06/25 13:10

Date Received: 01/08/25 06:30 Sample Container: Tedlar Bag 1L Lab Sample ID: 885-18020-1

Matrix: Air

Method: SW846 8015M/D - No Analyte	•	ed Organic Qualifier	cs using GC/MS RL	S -Modified (G Unit	asoline D	Range Or Prepared	ganics) Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	57000	E	250	ug/L			01/09/25 18:04	50
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	Limits 52 - 172			Prepared	Analyzed 01/09/25 18:04	Dil Fac

Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND ND	5.0	ug/L		01/09/25 18:04	50
1,1,1-Trichloroethane	ND	5.0	ug/L		01/09/25 18:04	50
1,1,2,2-Tetrachloroethane	ND	10	ug/L		01/09/25 18:04	50
1,1,2-Trichloroethane	ND	5.0	ug/L		01/09/25 18:04	50
1,1-Dichloroethane	ND	5.0	ug/L		01/09/25 18:04	50
1,1-Dichloroethene	ND	5.0	ug/L		01/09/25 18:04	50
1,1-Dichloropropene	ND	5.0	ug/L		01/09/25 18:04	50
1,2,3-Trichlorobenzene	ND	5.0	ug/L		01/09/25 18:04	50
1,2,3-Trichloropropane	ND	10	ug/L		01/09/25 18:04	50
1,2,4-Trichlorobenzene	ND	5.0	ug/L		01/09/25 18:04	50
1,2,4-Trimethylbenzene	ND	5.0	ug/L		01/09/25 18:04	50
1,2-Dibromo-3-Chloropropane	ND	10	ug/L		01/09/25 18:04	50
1,2-Dibromoethane (EDB)	ND	5.0	ug/L		01/09/25 18:04	50
1,2-Dichlorobenzene	ND	5.0	ug/L		01/09/25 18:04	50
1,2-Dichloroethane (EDC)	ND	5.0	ug/L		01/09/25 18:04	50
1,2-Dichloropropane	ND	5.0	ug/L		01/09/25 18:04	50
1,3,5-Trimethylbenzene	ND	5.0	ug/L		01/09/25 18:04	50
1,3-Dichlorobenzene	ND	5.0	ug/L		01/09/25 18:04	50
1,3-Dichloropropane	ND	5.0	ug/L		01/09/25 18:04	50
1,4-Dichlorobenzene	ND	5.0	ug/L		01/09/25 18:04	50
1-Methylnaphthalene	ND	20	ug/L		01/09/25 18:04	50
2,2-Dichloropropane	ND	10	ug/L		01/09/25 18:04	50
2-Butanone	ND	50	ug/L		01/09/25 18:04	50
2-Chlorotoluene	ND	5.0	ug/L		01/09/25 18:04	50
2-Hexanone	ND	50	ug/L		01/09/25 18:04	50
2-Methylnaphthalene	ND	20	ug/L		01/09/25 18:04	50
1-Chlorotoluene	ND	5.0	ug/L		01/09/25 18:04	50
4-Isopropyltoluene	ND	5.0	ug/L		01/09/25 18:04	50
4-Methyl-2-pentanone	ND	50	ug/L		01/09/25 18:04	50
Acetone	ND	50	ug/L		01/09/25 18:04	50
Benzene	410	5.0	ug/L		01/09/25 18:04	50
Bromobenzene	ND	5.0	ug/L		01/09/25 18:04	50
Bromodichloromethane	ND	5.0	ug/L		01/09/25 18:04	50
Dibromochloromethane	ND	5.0	ug/L		01/09/25 18:04	50
Bromoform	ND	5.0	ug/L		01/09/25 18:04	50
Bromomethane	ND	15	ug/L		01/09/25 18:04	50
Carbon disulfide	ND	50	ug/L		01/09/25 18:04	50
Carbon tetrachloride	ND	5.0	ug/L		01/09/25 18:04	50
Chlorobenzene	ND	5.0	ug/L		01/09/25 18:04	50
Chloroethane	ND	10	ug/L		01/09/25 18:04	50
Chloroform	ND	5.0	ug/L		01/09/25 18:04	50

Job ID: 885-18020-1

Client: Hilcorp Energy Project/Site: LC Kelly #1E

Client Sample ID: Influent 1-6-25

Date Collected: 01/06/25 13:10

Date Received: 01/08/25 06:30 Sample Container: Tedlar Bag 1L Lab Sample ID: 885-18020-1

Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		15	ug/L		-	01/09/25 18:04	50
cis-1,2-Dichloroethene	ND		5.0	ug/L			01/09/25 18:04	50
cis-1,3-Dichloropropene	ND		5.0	ug/L			01/09/25 18:04	50
Dibromomethane	ND		5.0	ug/L			01/09/25 18:04	50
Dichlorodifluoromethane	ND		5.0	ug/L			01/09/25 18:04	50
Ethylbenzene	26		5.0	ug/L			01/09/25 18:04	50
Hexachlorobutadiene	ND		5.0	ug/L			01/09/25 18:04	50
Isopropylbenzene	ND		5.0	ug/L			01/09/25 18:04	50
Methyl-tert-butyl Ether (MTBE)	ND		5.0	ug/L			01/09/25 18:04	50
Methylene Chloride	ND		15	ug/L			01/09/25 18:04	50
n-Butylbenzene	ND		15	ug/L			01/09/25 18:04	50
N-Propylbenzene	ND		5.0	ug/L			01/09/25 18:04	50
Naphthalene	ND		10	ug/L			01/09/25 18:04	50
sec-Butylbenzene	ND		5.0	ug/L			01/09/25 18:04	50
Styrene	ND		5.0	ug/L			01/09/25 18:04	50
tert-Butylbenzene	ND		5.0	ug/L			01/09/25 18:04	50
Tetrachloroethene (PCE)	ND		5.0	ug/L			01/09/25 18:04	50
Toluene	270		5.0	ug/L			01/09/25 18:04	50
trans-1,2-Dichloroethene	ND		5.0	ug/L			01/09/25 18:04	50
trans-1,3-Dichloropropene	ND		5.0	ug/L			01/09/25 18:04	50
Trichloroethene (TCE)	ND		5.0	ug/L			01/09/25 18:04	50
Trichlorofluoromethane	ND		5.0	ug/L			01/09/25 18:04	50
Vinyl chloride	ND		5.0	ug/L			01/09/25 18:04	50
Xylenes, Total	240		7.5	ug/L			01/09/25 18:04	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		•		01/09/25 18:04	50

70 - 130

70 - 130

70 - 130

105

100

100

01/09/25 18:04

01/09/25 18:04

01/09/25 18:04

50

50

50

Toluene-d8 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Client: Hilcorp Energy Job ID: 885-18020-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 1-7-25

Date Collected: 01/07/25 13:00

Date Received: 01/08/25 06:30 Sample Container: Tedlar Bag 1L Lab Sample ID: 885-18020-2

Matrix: Air

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)											
Analyte	Result Qualifie	er RL	Unit	D	Prepared	Analyzed	Dil Fac				
Gasoline Range Organics [C6 - C10]	39000	250	ug/L			01/09/25 18:32	50				
Surrogate	%Recovery Qualifie	er Limits			Prepared	Analyzed	Dil Fac				

4-Bromofluorobenzene (Surr) 99 52 - 172 01/09/25 18:32

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND —	5.0	ug/L			01/09/25 18:32	50
1,1,1-Trichloroethane	ND	5.0	ug/L			01/09/25 18:32	50
1,1,2,2-Tetrachloroethane	ND	10	ug/L			01/09/25 18:32	50
1,1,2-Trichloroethane	ND	5.0	ug/L			01/09/25 18:32	50
1,1-Dichloroethane	ND	5.0	ug/L			01/09/25 18:32	50
1,1-Dichloroethene	ND	5.0	ug/L			01/09/25 18:32	50
1,1-Dichloropropene	ND	5.0	ug/L			01/09/25 18:32	50
1,2,3-Trichlorobenzene	ND	5.0	ug/L			01/09/25 18:32	50
1,2,3-Trichloropropane	ND	10	ug/L			01/09/25 18:32	50
1,2,4-Trichlorobenzene	ND	5.0	ug/L			01/09/25 18:32	50
1,2,4-Trimethylbenzene	ND	5.0	ug/L			01/09/25 18:32	50
1,2-Dibromo-3-Chloropropane	ND	10	ug/L			01/09/25 18:32	50
1,2-Dibromoethane (EDB)	ND	5.0	ug/L			01/09/25 18:32	50
1,2-Dichlorobenzene	ND	5.0	ug/L			01/09/25 18:32	50
1,2-Dichloroethane (EDC)	ND	5.0	ug/L			01/09/25 18:32	50
1,2-Dichloropropane	ND	5.0	ug/L			01/09/25 18:32	50
1,3,5-Trimethylbenzene	5.2	5.0	ug/L			01/09/25 18:32	50
1,3-Dichlorobenzene	ND	5.0	ug/L			01/09/25 18:32	50
1,3-Dichloropropane	ND	5.0	ug/L			01/09/25 18:32	50
1,4-Dichlorobenzene	ND	5.0	ug/L			01/09/25 18:32	50
1-Methylnaphthalene	ND	20	ug/L			01/09/25 18:32	50
2,2-Dichloropropane	ND	10	ug/L			01/09/25 18:32	50
2-Butanone	ND	50	ug/L			01/09/25 18:32	50
2-Chlorotoluene	ND	5.0	ug/L			01/09/25 18:32	50
2-Hexanone	ND	50	ug/L			01/09/25 18:32	50
2-Methylnaphthalene	ND	20	ug/L			01/09/25 18:32	50
4-Chlorotoluene	ND	5.0	ug/L			01/09/25 18:32	50
4-Isopropyltoluene	ND	5.0	ug/L			01/09/25 18:32	50
4-Methyl-2-pentanone	ND	50	ug/L			01/09/25 18:32	50
Acetone	ND	50	ug/L			01/09/25 18:32	50
Benzene	310	5.0	ug/L			01/09/25 18:32	50
Bromobenzene	ND	5.0	ug/L			01/09/25 18:32	50
Bromodichloromethane	ND	5.0	ug/L			01/09/25 18:32	50
Dibromochloromethane	ND	5.0	ug/L			01/09/25 18:32	50
Bromoform	ND	5.0	ug/L			01/09/25 18:32	50
Bromomethane	ND	15	ug/L			01/09/25 18:32	50
Carbon disulfide	ND	50	ug/L			01/09/25 18:32	50
Carbon tetrachloride	ND	5.0	ug/L			01/09/25 18:32	50
Chlorobenzene	ND	5.0	ug/L			01/09/25 18:32	50
Chloroethane	ND	10	ug/L			01/09/25 18:32	50

Eurofins Albuquerque

01/09/25 18:32

5.0

ug/L

ND

50

Chloroform

Client Sample Results

Client: Hilcorp Energy Job ID: 885-18020-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 1-7-25

Date Collected: 01/07/25 13:00

Date Received: 01/08/25 06:30 Sample Container: Tedlar Bag 1L Lab Sample ID: 885-18020-2

Matrix: Air

	ľ	ī	
	ŀ	e	١
	١		۱

50

50

50

Method: SW846 8260B - Vo				•	_	_		
Analyte		Qualifier	RL _	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Chloromethane	ND		15	ug/L			01/09/25 18:32	50
cis-1,2-Dichloroethene	ND		5.0	ug/L			01/09/25 18:32	50
cis-1,3-Dichloropropene	ND		5.0	ug/L			01/09/25 18:32	50
Dibromomethane	ND		5.0	ug/L			01/09/25 18:32	50
Dichlorodifluoromethane	ND		5.0	ug/L			01/09/25 18:32	50
Ethylbenzene	40		5.0	ug/L			01/09/25 18:32	50
Hexachlorobutadiene	ND		5.0	ug/L			01/09/25 18:32	50
Isopropylbenzene	ND		5.0	ug/L			01/09/25 18:32	50
Methyl-tert-butyl Ether (MTBE)	ND		5.0	ug/L			01/09/25 18:32	50
Methylene Chloride	ND		15	ug/L			01/09/25 18:32	50
n-Butylbenzene	ND		15	ug/L			01/09/25 18:32	50
N-Propylbenzene	ND		5.0	ug/L			01/09/25 18:32	50
Naphthalene	ND		10	ug/L			01/09/25 18:32	50
sec-Butylbenzene	ND		5.0	ug/L			01/09/25 18:32	50
Styrene	ND		5.0	ug/L			01/09/25 18:32	50
tert-Butylbenzene	ND		5.0	ug/L			01/09/25 18:32	50
Tetrachloroethene (PCE)	ND		5.0	ug/L			01/09/25 18:32	50
Toluene	420		5.0	ug/L			01/09/25 18:32	50
trans-1,2-Dichloroethene	ND		5.0	ug/L			01/09/25 18:32	50
trans-1,3-Dichloropropene	ND		5.0	ug/L			01/09/25 18:32	50
Trichloroethene (TCE)	ND		5.0	ug/L			01/09/25 18:32	50
Trichlorofluoromethane	ND		5.0	ug/L			01/09/25 18:32	50
Vinyl chloride	ND		5.0	ug/L			01/09/25 18:32	50
Xylenes, Total	350		7.5	ug/L			01/09/25 18:32	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130				01/09/25 18:32	50

70 - 130

70 - 130

70 - 130

106

102

100

01/09/25 18:32

01/09/25 18:32

01/09/25 18:32

Toluene-d8 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

70 - 130

103

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Client: Hilcorp Energy Job ID: 885-18020-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-19105/5

Matrix: Air

Analysis Batch: 19105

MB MB

Result Qualifier RL Unit Dil Fac Analyte D Prepared Analyzed Gasoline Range Organics [C6 - C10] ND 5.0 ug/L 01/09/25 16:39

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 96 52 - 172 01/09/25 16:39

517

Lab Sample ID: LCS 885-19105/4

Matrix: Air

Analysis Batch: 19105

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits

500

Gasoline Range Organics [C6 -

C10]

LCS LCS

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr) 102 52 - 172

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

Lab Sample ID: MB 885-19103/7

Matrix: Air

Analysis Batch: 19103

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

ug/L

MB MB Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac ND 1,1,1,2-Tetrachloroethane 0.10 ug/L 01/09/25 16:39 1,1,1-Trichloroethane ND 0.10 ug/L 01/09/25 16:39 1,1,2,2-Tetrachloroethane ND 0.20 ug/L 01/09/25 16:39 1,1,2-Trichloroethane ND 0.10 ug/L 01/09/25 16:39 1,1-Dichloroethane ND 0.10 ug/L 01/09/25 16:39 1,1-Dichloroethene ND 0.10 ug/L 01/09/25 16:39 1,1-Dichloropropene ND 0.10 ug/L 01/09/25 16:39 ND 1,2,3-Trichlorobenzene 0.10 ug/L 01/09/25 16:39 1,2,3-Trichloropropane ND 0.20 ug/L 01/09/25 16:39 1,2,4-Trichlorobenzene NΠ 0.10 ug/L 01/09/25 16:39 1,2,4-Trimethylbenzene ND 0.10 ug/L 01/09/25 16:39 1,2-Dibromo-3-Chloropropane ND 0.20 ug/L 01/09/25 16:39 1,2-Dibromoethane (EDB) ND 0.10 ug/L 01/09/25 16:39 1,2-Dichlorobenzene ND 0.10 ug/L 01/09/25 16:39 1,2-Dichloroethane (EDC) ND 0.10 ug/L 01/09/25 16:39 ND 0.10 1,2-Dichloropropane ug/L 01/09/25 16:39 1,3,5-Trimethylbenzene ND 0.10 ug/L 01/09/25 16:39 1.3-Dichlorobenzene ND 0.10 ug/L 01/09/25 16:39 1,3-Dichloropropane ND 0.10 ug/L 01/09/25 16:39 1,4-Dichlorobenzene ND 0.10 ug/L 01/09/25 16:39 ND ug/L 1-Methylnaphthalene 0.40 01/09/25 16:39 0.20 2,2-Dichloropropane ND ug/L 01/09/25 16:39 ND 2-Butanone 1.0 ug/L 01/09/25 16:39 2-Chlorotoluene ND 0.10 ug/L 01/09/25 16:39 ND 1.0 01/09/25 16:39 2-Hexanone ug/L

1

QC Sample Results

Client: Hilcorp Energy Job ID: 885-18020-1

Project/Site: LC Kelly #1E

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

MB MB

Lab Sample ID: MB 885-19103/7

Matrix: Air

Analysis Batch: 19103

Client Sample ID: Method Blank

	FI	eh	тур	e. 10	tai/iN/	`	
_							

		_					
Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND	0.40	ug/L			01/09/25 16:39	1
4-Chlorotoluene	ND	0.10	ug/L			01/09/25 16:39	1
4-Isopropyltoluene	ND	0.10	ug/L			01/09/25 16:39	1
4-Methyl-2-pentanone	ND	1.0	ug/L			01/09/25 16:39	1
Acetone	ND	1.0	ug/L			01/09/25 16:39	1

Benzene ND 0.10 ug/L 01/09/25 16:39 Bromobenzene ND 0.10 ug/L 01/09/25 16:39 ug/L ND 0.10 01/09/25 16:39 01/09/25 16:39 ND 0.10 ug/L

Bromodichloromethane Dibromochloromethane **Bromoform** ND 0.10 ug/L 01/09/25 16:39 Bromomethane ug/L ND 0.30 01/09/25 16:39 Carbon disulfide ND 1.0 ug/L 01/09/25 16:39 Carbon tetrachloride ND 0.10 01/09/25 16:39 ug/L ND Chlorobenzene 0.10 ug/L 01/09/25 16:39

Chloroethane ND 0.20 ug/L 01/09/25 16:39 Chloroform 0.10 ND ug/L 01/09/25 16:39 Chloromethane ND 0.30 ug/L 01/09/25 16:39 cis-1.2-Dichloroethene ND 0.10 ug/L 01/09/25 16:39 cis-1,3-Dichloropropene ND 0.10 ug/L 01/09/25 16:39 Dibromomethane ND 0.10 ug/L 01/09/25 16:39 Dichlorodifluoromethane ND 0.10 ug/L 01/09/25 16:39

Ethylbenzene ND 0.10 ug/L 01/09/25 16:39 Hexachlorobutadiene ND 0.10 ug/L 01/09/25 16:39 ND 0.10 ug/L Isopropylbenzene 01/09/25 16:39 ND Methyl-tert-butyl Ether (MTBE) 0.10 ug/L 01/09/25 16:39 Methylene Chloride ND 0.30 ug/L 01/09/25 16:39 n-Butylbenzene ND 0.30 ug/L 01/09/25 16:39 N-Propylbenzene ND 0.10 ug/L 01/09/25 16:39

Naphthalene ND 0.20 ug/L 01/09/25 16:39 sec-Butylbenzene ND 0.10 ug/L 01/09/25 16:39 Styrene ND 0.10 ug/L 01/09/25 16:39 tert-Butylbenzene ND 0.10 ug/L 01/09/25 16:39 Tetrachloroethene (PCE) ND 0.10 ug/L 01/09/25 16:39 Toluene ND 0.10 ug/L 01/09/25 16:39

trans-1,2-Dichloroethene ND 0.10 ug/L 01/09/25 16:39 trans-1,3-Dichloropropene ND 0.10 ug/L 01/09/25 16:39 Trichloroethene (TCE) ND 0.10 ug/L 01/09/25 16:39 Trichlorofluoromethane ND ug/L 01/09/25 16:39 0.10 Vinyl chloride ND 0.10 ug/L 01/09/25 16:39

Xylenes, Total ND 01/09/25 16:39 0.15 ug/L

	IVIB IVIB			
Surrogate	%Recovery Qualifier	Limits	Prepared Analy.	zed Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	70 - 130	01/09/25	16:39 1
Toluene-d8 (Surr)	98	70 - 130	01/09/25	16:39 1
4-Bromofluorobenzene (Surr)	101	70 - 130	01/09/25	16:39 1
Dibromofluoromethane (Surr)	98	70 - 130	01/09/25	16:39 1

QC Sample Results

Client: Hilcorp Energy Job ID: 885-18020-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: LCS 885-19103/6	Lab Sample	ID: LCS	885-19103/6	
--------------------------------	------------	---------	-------------	--

Matrix: Air

Analysis Batch: 19103

Client Sample	ID: Lab	Contro	I Sample
	Pre	p Type:	Total/NA

•	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	20.1	20.3		ug/L		101	70 - 130
Benzene	20.1	21.6		ug/L		107	70 - 130
Chlorobenzene	20.1	20.9		ug/L		104	70 - 130
Toluene	20.2	20.7		ug/L		103	70 - 130
Trichloroethene (TCE)	20.2	18.8		ug/L		93	70 - 130

LCS	LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130

QC Association Summary

Client: Hilcorp Energy

Job ID: 885-18020-1

Project/Site: LC Kelly #1E

GC/MS VOA

Analysis Batch: 19103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18020-1	Influent 1-6-25	Total/NA	Air	8260B	
885-18020-2	Influent 1-7-25	Total/NA	Air	8260B	
MB 885-19103/7	Method Blank	Total/NA	Air	8260B	
LCS 885-19103/6	Lab Control Sample	Total/NA	Air	8260B	

Analysis Batch: 19105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18020-1	Influent 1-6-25	Total/NA	Air	8015M/D	
885-18020-2	Influent 1-7-25	Total/NA	Air	8015M/D	
MB 885-19105/5	Method Blank	Total/NA	Air	8015M/D	
LCS 885-19105/4	Lab Control Sample	Total/NA	Air	8015M/D	

1

5

7

8

11

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-18020-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 1-6-25 Lab Sample ID: 885-18020-1

Date Collected: 01/06/25 13:10 Matrix: Air Date Received: 01/08/25 06:30

Batch Batch Dilution Batch Prepared **Prep Type** Туре Method Number Analyst or Analyzed Run **Factor** Lab 01/09/25 18:04 Total/NA Analysis 8015M/D 50 19105 CM **EET ALB** 01/09/25 18:04 Total/NA Analysis 8260B 50 19103 CM **EET ALB**

Client Sample ID: Influent 1-7-25

Lab Sample ID: 885-18020-2 Date Collected: 01/07/25 13:00 Matrix: Air

Date Received: 01/08/25 06:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015M/D		50	19105	СМ	EET ALB	01/09/25 18:32
Total/NA	Analysis	8260B		50	19103	CM	EET ALB	01/09/25 18:32

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: 885-18020-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date		
New Mexico	State	NM9425, NM0901	02-26-25		

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

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-18020-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

uthority	Progra	m	Identification Number Expiration Date
• ,	s are included in this repor does not offer certification.	t, but the laboratory is r	not certified by the governing authority. This list may include analyte
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
regon	NELAP		NM100001 02-25-25

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

Eurofins Albuquerque

3

4

6

ŏ

10

11

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-18020-1

Project/Site: LC Kelly #1E

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 Date
The following analytes	s are included in this repo	rt, but the laboratory is i	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		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
02000		ΔII	viriyi Gilionae

Eurofins Albuquerque

2

3

4

6

8

3

11

ANALYTICAL SUMMARY REPORT

January 14, 2025

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

Work Order: B25010499 Quote ID: B15626

Project Name: LC Kelly #1E, 88501698

Energy Laboratories Inc Billings MT received the following 2 samples for Hall Environmental on 1/9/2025 for analysis.

Lab ID	Client Sample ID	Collect Date R	eceive Date	Matrix	Test
B25010499-001	Influent 1-6-25 (885- 18020-1)	01/06/25 13:10	01/09/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist Free Natural Gas Analysis Specific Gravity @ 60/60
B25010499-002	Influent 1-7-25 (885- 18020-2)	01/07/25 13:00	01/09/25	Air	Same As Above

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.

2

5

0

10

11

Report Date: 01/14/25

Matrix: Air

Collection Date: 01/06/25 13:10 **DateReceived:** 01/09/25

_

3

Α

6

9

11

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Hall Environmental

 Project:
 LC Kelly #1E, 88501698

 Lab ID:
 B25010499-001

Client Sample ID: Influent 1-6-25 (885-18020-1)

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	7.65	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Nitrogen	79.32	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Carbon Dioxide	12.40	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Isopentane	0.02	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
n-Pentane	0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Hexanes plus	0.60	Mol %		0.01		GPA 2261-13	01/10/25 10:01 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	01/10/25 10:01 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	01/10/25 10:01 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	01/10/25 10:01 / jrj
Isopentane	0.007	gpm		0.001		GPA 2261-13	01/10/25 10:01 / jrj
n-Pentane	0.004	gpm		0.001		GPA 2261-13	01/10/25 10:01 / jrj
Hexanes plus	0.253	gpm		0.001		GPA 2261-13	01/10/25 10:01 / jrj
GPM Total	0.264	gpm		0.001		GPA 2261-13	01/10/25 10:01 / jrj
GPM Pentanes plus	0.264	gpm		0.001		GPA 2261-13	01/10/25 10:01 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	30			1		GPA 2261-13	01/10/25 10:01 / jrj
Net BTU per cu ft @ std cond. (LHV)	28			1		GPA 2261-13	01/10/25 10:01 / jrj
Pseudo-critical Pressure, psia	582			1		GPA 2261-13	01/10/25 10:01 / jrj
Pseudo-critical Temperature, deg R	275			1		GPA 2261-13	01/10/25 10:01 / jrj
Specific Gravity @ 60/60F	1.06			0.001		D3588-81	01/10/25 10:01 / jrj
Air, %	34.93			0.01		GPA 2261-13	01/10/25 10:01 / jrj

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.

- The analysis was not corrected for air.

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

01/10/25 10:01 / jrj

Report Date: 01/14/25

DateReceived: 01/09/25

Matrix: Air

Collection Date: 01/07/25 13:00

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental Project: LC Kelly #1E, 88501698 Lab ID: B25010499-002

Client Sample ID: Influent 1-7-25 (885-18020-2)

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	14.78	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Nitrogen	79.66	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Carbon Dioxide	5.20	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Ethane	< 0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
n-Butane	< 0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Isopentane	0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Hexanes plus	0.35	Mol %		0.01		GPA 2261-13	01/10/25 10:50 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	01/10/25 10:50 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	01/10/25 10:50 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	01/10/25 10:50 / jrj
Isopentane	0.004	gpm		0.001		GPA 2261-13	01/10/25 10:50 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	01/10/25 10:50 / jrj
Hexanes plus	0.147	gpm		0.001		GPA 2261-13	01/10/25 10:50 / jrj
GPM Total	0.151			0.001		GPA 2261-13	01/10/25 10:50 / jrj
GPM Pentanes plus	0.151	gpm		0.001		GPA 2261-13	01/10/25 10:50 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	17			1		GPA 2261-13	01/10/25 10:50 / jrj
Net BTU per cu ft @ std cond. (LHV)	16			1		GPA 2261-13	01/10/25 10:50 / jrj
Pseudo-critical Pressure, psia	558			1		GPA 2261-13	01/10/25 10:50 / jrj
Pseudo-critical Temperature, deg R	254			1		GPA 2261-13	01/10/25 10:50 / jrj
Specific Gravity @ 60/60F	1.02			0.001		D3588-81	01/10/25 10:50 / jrj
Air, % - The analysis was not corrected for air.	67.55			0.01		GPA 2261-13	01/10/25 10:50 / 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.

COMMENTS

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

QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

01/10/25 10:50 / jrj

i 0515

2

2

6

8

10

11

| 4

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25010499							Repo	rt Date:	01/14/25		
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-13									Batch	: R435215
Lab ID:	B25010499-002ADUP	12 San	nple Duplic	ate			Run: GC78	90_250110A		01/10	/25 11:39
Oxygen			15.4	Mol %	0.01				4.2	20	
Nitrogen			84.2	Mol %	0.01				5.5	20	
Carbon D	Dioxide		<0.01	Mol %	0.01					20	
Hydroger	n Sulfide		<0.01	Mol %	0.01					20	
Methane			<0.01	Mol %	0.01					20	
Ethane			<0.01	Mol %	0.01					20	
Propane			<0.01	Mol %	0.01					20	
Isobutane	е		<0.01	Mol %	0.01					20	
n-Butane			<0.01	Mol %	0.01					20	
Isopentar	ne		0.01	Mol %	0.01				0.0	20	
n-Pentan	е		0.01	Mol %	0.01					20	
Hexanes	plus		0.40	Mol %	0.01				13	20	
Lab ID:	LCS011025	11 Lab	oratory Co	ntrol Sample			Run: GC78	90_250110A		01/10	/25 13:22
Oxygen			0.61	Mol %	0.01	122	70	130			
Nitrogen			6.51	Mol %	0.01	108	70	130			
Carbon D	Dioxide		0.99	Mol %	0.01	100	70	130			
Methane			74.4	Mol %	0.01	100	70	130			
Ethane			5.97	Mol %	0.01	99	70	130			
Propane			4.98	Mol %	0.01	101	70	130			
Isobutane	е		1.79	Mol %	0.01	89	70	130			
n-Butane			1.98	Mol %	0.01	99	70	130			
Isopentar	ne		1.01	Mol %	0.01	101	70	130			
n-Pentan	е		1.00	Mol %	0.01	100	70	130			

0.01

0.79

Mol %

99

70

130

Qualifiers:

Hexanes plus

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Hall Environmental

B25010499

Login completed by: Lyndsi E. LeProwse		Date	Received: 1/9/2025
Reviewed by: gmccartney		Re	eceived by: LEL
Reviewed Date: 1/10/2025		Car	rier name: FedEx NDA
Shipping container/cooler in good condition? Custody seals intact on all shipping container(s)/cooler(s)?	Yes ✓ 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 Cl, Sulfite, Ferrous Iron, etc.)	Yes √	No 🗌	
Femp Blank received in all shipping container(s)/cooler(s)?	Yes	No 🗹	Not Applicable
Container/Temp Blank temperature:	11.1°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes	No 🗌	No VOA vials submitted ✓
Vater - 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

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	
d	Louisiana	05079	
ANAB	Montana	CERT0044	
ARSI hamonal Acciontation there	Nebraska	NE-OS-13-04	
TESTING LARGRATORY	Nevada	NV-C24-00250	
ACCES.	North Dakota	R-007	
	National Radon Proficiency	109383-RMP	
100	Oregon	4184	
DOKATOR	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	
C 14/1/	Louisiana	05083	
Casper, WY	Montana	CERT0002	
Ma according	Nebraska	NE-OS-08-04	
	Nevada	NV-C24-00245	
MORNOR	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	
4 7 4 4	Colorado	MT00945	
Helena, MT	Montana	CERT0079	
120000000000000000000000000000000000000	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



💸 eurofins

Environment Testing

s:
tructions/Note:
uctions
uctions
199
chain-of-custody. If provided. Any chan sting South Central,
nonth) Months
Worldis
Company
Company
Company
Ver: 10/10/2024



1

2

3

Δ

5

6

7

8

9

10

12

```
Method Comments
Fixed Gases
           Preservative
None
                                                                            Method Description
SUB (Fixed Gases)/ Fixed Gases
                                                               Subcontract Method Instructions
                                                                            Method
SUBCONTRACT
            Container Type
Tedlar Bag 1L
Containers
                                                                            Sample IDs
1, 2
             Count 2
```

ICOC No: 885-3493

ed
by
OCD
4
115
1/20
25
10:
10
:32
AM

Chain-of-Custody Record Client: Hilcorp Energy Co. Athr. Mitch Killough Mailing Address:	Turn-Around Time: 5 Day Standard Rush Project Name: LC Kelly HIE	HALL ENVIRONMENT ANALYSIS LABORA www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request
Phone #:	Project #:	Tel. 505-345-3975 Fax 505-345-4107 Analysis Request
email or Fax#:	Project Manager:	
QA/QC Package: □ Standard □ Level 4 (Full Validation)	Stuart Hyde	BTEX / MJBE / TMB's (8021) TPH:8015p(GRO) DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHS by 8310 or 8270SIMS CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 8260 (VOA) Full Lyst 8270 (Semi-VOA) Total Coliform (Present/Absent) FIXER GES OU COU
Accreditation: ☐ Az Compliance	Sampler: Downy Burns	1 1 1 1 1 1 1 1 1 1
☐ NELAC ☐ Other	On Ice: Yes Y No YOU'S	3RO) (The True of the State of
LDD (Type)	Cooler Temp((ncluding cF): 40 -0.2-3.7 (°C)	NATBE / NATBE / NATBE / NATBE / NATBE / NATBE / NO3, Semi-VO/ Professional / NO3 / N
ည္အညate Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type	BTEX / MTBE / TMB's (80 TPH:80150(GRO) DRO / M 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAH's by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ , PO ₄ , 8260 (VOA) Full Lys R270 (Semi-VOA) Total Coliform (Present/Abs FULL AS TOTAL COLIFORM (Present/Abs
81-6 N2025 13:10 And Influent 1-6-25	2 Tedlor -	
2025 13:00 Aur Influent 1-7-25	2 Tellos	
Date: Time Relimenished by:	Received by: Via: Date, Time	Pomarks: 1
Date: Time. Relinquished by: Date: Time. Relinquished by: Relinquished by: 1732 Advantage The inquished by:	Received by: Via. Councer Date Time U:30	Remarks: shyde Com dourns @ensolum.com hmishriki
If necessary samples submitted to Hall Environmental may be sub		is possibility Any sub-contracted data will be clearly notated on the analytical report

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-18020-1

Login Number: 18020 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

1

3

0

9

10

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/22/2025 5:18:49 PM

JOB DESCRIPTION

LC Kelly #1E

JOB NUMBER

885-18391-1

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

Page 2 of 26

Generated 1/22/2025 5:18:49 PM

Authorized for release by Michelle Garcia, Project Manager michelle.garcia@et.eurofinsus.com (505)345-3975 Client: Hilcorp Energy
Laboratory Job ID: 885-18391-1
Project/Site: LC Kelly #1E

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Subcontract Data	18
Chain of Custody	25
Receipt Checklists	26

2

3

4

6

8

9

10

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-18391-1

Qualifiers

GC/MS VOA

Qualifier Description

Project/Site: LC Kelly #1E

S1+ Surrogate recovery exceeds control limits, high biased.

Glossary

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)

MPN MQL

MDC

MDL

ML

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)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Method Quantitation Limit

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Minimum Detectable Concentration (Radiochemistry)

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Hilcorp Energy

Job ID: 885-18391-1

Project: LC Kelly #1E

Job ID: 885-18391-1 Eurofins Albuquerque

Job Narrative 885-18391-1

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 1/15/2025 7:10 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 0.9°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.

GC/MS VOA

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

Eurofins Albuquerque

9

3

4

5

9

Client Sample Results

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Result Qualifier

3700

Client: Hilcorp Energy Job ID: 885-18391-1

RL

50

Unit

ug/L

Project/Site: LC Kelly #1E

Gasoline Range Organics

Analyte

Client Sample ID: Influent 011425

Date Collected: 01/14/25 11:40 Date Received: 01/15/25 07:10

Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-18391-1

Analyzed

01/17/25 14:45

Prepared

Matrix: Air

Dil Fac

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		Qualifier	52 - 172		-	Prepareu	01/17/25 14:45	
4-Bromondorobenzene (Surr)	33		<i>32 - 172</i>				01/11/20 14.40	70
Method: SW846 8260B - Volatil	le Organic Comp	ounds (GC/	MS)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			01/17/25 14:45	10
1,1,1-Trichloroethane	ND		1.0	ug/L			01/17/25 14:45	10
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			01/17/25 14:45	10
1,1,2-Trichloroethane	ND		1.0	ug/L			01/17/25 14:45	10
1,1-Dichloroethane	ND		1.0	ug/L			01/17/25 14:45	10
1,1-Dichloroethene	ND		1.0	ug/L			01/17/25 14:45	10
1,1-Dichloropropene	ND		1.0	ug/L			01/17/25 14:45	10
1,2,3-Trichlorobenzene	ND		1.0	ug/L			01/17/25 14:45	10
1,2,3-Trichloropropane	ND		2.0	ug/L			01/17/25 14:45	10
1,2,4-Trichlorobenzene	ND		1.0	ug/L			01/17/25 14:45	10
1,2,4-Trimethylbenzene	ND		1.0	ug/L			01/17/25 14:45	10
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			01/17/25 14:45	10
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			01/17/25 14:45	10
1,2-Dichlorobenzene	ND		1.0	ug/L			01/17/25 14:45	10
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			01/17/25 14:45	10
1,2-Dichloropropane	ND		1.0	ug/L			01/17/25 14:45	10
1,3,5-Trimethylbenzene	ND		1.0	ug/L			01/17/25 14:45	10
1,3-Dichlorobenzene	ND		1.0	ug/L			01/17/25 14:45	10
1,3-Dichloropropane	ND		1.0	ug/L			01/17/25 14:45	10
1,4-Dichlorobenzene	ND		1.0	ug/L			01/17/25 14:45	10
1-Methylnaphthalene	ND		4.0	ug/L			01/17/25 14:45	10
2,2-Dichloropropane	ND		2.0	ug/L			01/17/25 14:45	10
2-Butanone	ND		10	ug/L			01/17/25 14:45	10
2-Chlorotoluene	ND		1.0	ug/L			01/17/25 14:45	10
2-Hexanone	ND		10	ug/L			01/17/25 14:45	10
2-Methylnaphthalene	ND		4.0	ug/L			01/17/25 14:45	10
4-Chlorotoluene	ND		1.0	ug/L			01/17/25 14:45	10
4-Isopropyltoluene	ND		1.0	ug/L			01/17/25 14:45	10
4-Methyl-2-pentanone	ND		10	ug/L			01/17/25 14:45	10
Acetone	ND		10	ug/L			01/17/25 14:45	10
Benzene	31		1.0	ug/L			01/17/25 14:45	10
Bromobenzene	ND		1.0	ug/L			01/17/25 14:45	10
Bromodichloromethane	ND		1.0	ug/L			01/17/25 14:45	10
Dibromochloromethane	ND		1.0	ug/L			01/17/25 14:45	10
Bromoform	ND		1.0	ug/L			01/17/25 14:45	10
Bromomethane	ND		3.0	ug/L			01/17/25 14:45	10
Carbon disulfide	ND		10	ug/L			01/17/25 14:45	10
Carbon tetrachloride	ND		1.0	ug/L			01/17/25 14:45	10
Chlorobenzene	ND		1.0	ug/L			01/17/25 14:45	10
Chloroethane	ND		2.0	ug/L ug/L			01/17/25 14:45	10
Chloroform	ND		1.0	ug/L			01/17/25 14:45	10
51515101111	ואט		1.0	ug/L			31/11/20 14.40	10

Job ID: 885-18391-1

Client: Hilcorp Energy Project/Site: LC Kelly #1E

Toluene-d8 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Client Sample ID: Influent 011425

Date Collected: 01/14/25 11:40 Date Received: 01/15/25 07:10

Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-18391-1

Matrix: Air

10

10

10

Method: SW846 8260B - Volatil Analyte	Result	•	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		3.0	ug/L			01/17/25 14:45	10
cis-1,2-Dichloroethene	ND		1.0	ug/L			01/17/25 14:45	10
cis-1,3-Dichloropropene	ND		1.0	ug/L			01/17/25 14:45	10
Dibromomethane	ND		1.0	ug/L			01/17/25 14:45	10
Dichlorodifluoromethane	ND		1.0	ug/L			01/17/25 14:45	10
Ethylbenzene	4.0		1.0	ug/L			01/17/25 14:45	10
Hexachlorobutadiene	ND		1.0	ug/L			01/17/25 14:45	10
Isopropylbenzene	ND		1.0	ug/L			01/17/25 14:45	10
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			01/17/25 14:45	10
Methylene Chloride	ND		3.0	ug/L			01/17/25 14:45	10
n-Butylbenzene	ND		3.0	ug/L			01/17/25 14:45	10
N-Propylbenzene	ND		1.0	ug/L			01/17/25 14:45	10
Naphthalene	ND		2.0	ug/L			01/17/25 14:45	10
sec-Butylbenzene	ND		1.0	ug/L			01/17/25 14:45	10
Styrene	ND		1.0	ug/L			01/17/25 14:45	10
tert-Butylbenzene	ND		1.0	ug/L			01/17/25 14:45	10
Tetrachloroethene (PCE)	ND		1.0	ug/L			01/17/25 14:45	10
Toluene	55		1.0	ug/L			01/17/25 14:45	10
trans-1,2-Dichloroethene	ND		1.0	ug/L			01/17/25 14:45	10
trans-1,3-Dichloropropene	ND		1.0	ug/L			01/17/25 14:45	10
Trichloroethene (TCE)	ND		1.0	ug/L			01/17/25 14:45	10
Trichlorofluoromethane	ND		1.0	ug/L			01/17/25 14:45	10
Vinyl chloride	ND		1.0	ug/L			01/17/25 14:45	10
Xylenes, Total	35		1.5	ug/L			01/17/25 14:45	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		_		01/17/25 14:45	10

70 - 130

70 - 130

70 - 130

133 S1+

99

100

01/17/25 14:45

01/17/25 14:45

01/17/25 14:45

Job ID: 885-18391-1 Client: Hilcorp Energy

Project/Site: LC Kelly #1E

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

мв мв

Lab Sample ID: MB 885-19491/4 Client Sample ID: Method Blank Matrix: Air Prep Type: Total/NA

Analysis Batch: 19491

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics ND 5.0 ug/L 01/17/25 14:20

(GRO)-C6-C10

MB MB %Recovery Limits Qualifier Analyzed Dil Fac Surrogate Prepared 52 - 172 01/17/25 14:20 4-Bromofluorobenzene (Surr) 94

Lab Sample ID: LCS 885-19491/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Air

Analysis Batch: 19491

Spike LCS LCS %Rec Analyte babbA Result Qualifier Limits Unit D %Rec Gasoline Range Organics 500 450 ug/L 90 70 - 130

(GRO)-C6-C10

LCS LCS Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr) 97 52 - 172

Lab Sample ID: 885-18391-1 DU

Matrix: Air

Analysis Batch: 19491

DU DU RPD Sample Sample Limit Analyte Result Qualifier Result Qualifier Unit D RPD 3700 3710 ug/L 20 Gasoline Range Organics

(GRO)-C6-C10

DU DU Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 99 52 - 172

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

Lab Sample ID: MB 885-19484/1005 Client Sample ID: Method Blank Matrix: Air Prep Type: Total/NA

Analysis Batch: 19484

Allalysis Datcii. 13404								
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			01/17/25 14:20	1
1,1,1-Trichloroethane	ND		0.10	ug/L			01/17/25 14:20	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			01/17/25 14:20	1
1,1,2-Trichloroethane	ND		0.10	ug/L			01/17/25 14:20	1
1,1-Dichloroethane	ND		0.10	ug/L			01/17/25 14:20	1
1,1-Dichloroethene	ND		0.10	ug/L			01/17/25 14:20	1
1,1-Dichloropropene	ND		0.10	ug/L			01/17/25 14:20	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			01/17/25 14:20	1
1,2,3-Trichloropropane	ND		0.20	ug/L			01/17/25 14:20	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			01/17/25 14:20	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			01/17/25 14:20	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			01/17/25 14:20	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			01/17/25 14:20	1
1,2-Dichlorobenzene	ND		0.10	ug/L			01/17/25 14:20	1

Eurofins Albuquerque

Page 8 of 26

Prep Type: Total/NA

Client Sample ID: Influent 011425

Client: Hilcorp Energy Job ID: 885-18391-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-19484/1005

Client Sample ID: Method Blank

Matrix: Air						Prep Type:	Total/NA
Analysis Batch: 19484	МВ	МВ					
Analyte		Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
1,2-Dichloroethane (EDC)	ND		0.10	ug/L		01/17/25 14:20	1
1,2-Dichloropropane	ND		0.10	ug/L		01/17/25 14:20	1
1,3,5-Trimethylbenzene	ND		0.10	ug/L		01/17/25 14:20	1
1,3-Dichlorobenzene	ND		0.10	ug/L		01/17/25 14:20	1
1,3-Dichloropropane	ND		0.10	ug/L		01/17/25 14:20	1
1,4-Dichlorobenzene	ND		0.10	ug/L		01/17/25 14:20	1
1-Methylnaphthalene	ND		0.40	ug/L		01/17/25 14:20	1
2,2-Dichloropropane	ND		0.20	ug/L		01/17/25 14:20	1
2-Butanone	ND		1.0	ug/L		01/17/25 14:20	1
2-Chlorotoluene	ND		0.10	ug/L		01/17/25 14:20	1
2-Hexanone	ND		1.0	ug/L		01/17/25 14:20	1
2-Methylnaphthalene	ND		0.40	ug/L		01/17/25 14:20	1
4-Chlorotoluene	ND		0.10	ug/L		01/17/25 14:20	1
4-Isopropyltoluene	ND		0.10	ug/L		01/17/25 14:20	
4-Methyl-2-pentanone	ND		1.0	ug/L		01/17/25 14:20	
Acetone	ND		1.0	ug/L		01/17/25 14:20	1
Benzene	ND		0.10			01/17/25 14:20	'
Bromobenzene	ND		0.10	ug/L		01/17/25 14:20	1
Bromodichloromethane	ND		0.10	ug/L		01/17/25 14:20	1
				ug/L			
Dibromochloromethane	ND ND		0.10	ug/L		01/17/25 14:20	1
Bromoform			0.10	ug/L		01/17/25 14:20	1
Bromomethane	ND		0.30	ug/L		01/17/25 14:20	1
Carbon disulfide	ND		1.0	ug/L		01/17/25 14:20	1
Carbon tetrachloride	ND		0.10	ug/L		01/17/25 14:20	1
Chlorobenzene	ND		0.10	ug/L		01/17/25 14:20	1
Chloroethane	ND		0.20	ug/L		01/17/25 14:20	1
Chloroform	ND		0.10	ug/L		01/17/25 14:20	1
Chloromethane	ND		0.30	ug/L		01/17/25 14:20	
cis-1,2-Dichloroethene	ND		0.10	ug/L		01/17/25 14:20	1
cis-1,3-Dichloropropene	ND		0.10	ug/L		01/17/25 14:20	1
Dibromomethane	ND		0.10	ug/L		01/17/25 14:20	1
Dichlorodifluoromethane	ND		0.10	ug/L		01/17/25 14:20	1
Ethylbenzene	ND		0.10	ug/L		01/17/25 14:20	1
Hexachlorobutadiene	ND		0.10	ug/L		01/17/25 14:20	1
Isopropylbenzene	ND		0.10	ug/L		01/17/25 14:20	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L		01/17/25 14:20	1
Methylene Chloride	ND		0.30	ug/L		01/17/25 14:20	1
n-Butylbenzene	ND		0.30	ug/L		01/17/25 14:20	1
N-Propylbenzene	ND		0.10	ug/L		01/17/25 14:20	1
Naphthalene	ND		0.20	ug/L		01/17/25 14:20	1
sec-Butylbenzene	ND		0.10	ug/L		01/17/25 14:20	1
Styrene	ND		0.10	ug/L		01/17/25 14:20	1
tert-Butylbenzene	ND		0.10	ug/L		01/17/25 14:20	1
Tetrachloroethene (PCE)	ND		0.10	ug/L		01/17/25 14:20	1
Toluene	ND		0.10	ug/L		01/17/25 14:20	1
trans-1,2-Dichloroethene	ND		0.10	ug/L		01/17/25 14:20	1
trans-1,3-Dichloropropene	ND		0.10	ug/L		01/17/25 14:20	1
Trichloroethene (TCE)	ND		0.10	ug/L		01/17/25 14:20	1
Trichlorofluoromethane	ND		0.10	ug/L		01/17/25 14:20	1

Client: Hilcorp Energy Job ID: 885-18391-1

Project/Site: LC Kelly #1E

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

MB MB

Qualifier

Result

ND

ND

Lab Sample ID: MB 885-19484/1005 Matrix: Air

Analyte

Vinyl chloride

Xylenes, Total

Analysis Batch: 19484

Client Sample ID: Method Blank

01/17/25 14:20

Prep Type: Total/NA

RL	Unit	D	Prepared	Analyzed	Dil Fac
0.10	ua/L			01/17/25 14:20	1

ug/L

MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 01/17/25 14:20 1,2-Dichloroethane-d4 (Surr) 106 70 - 130 Toluene-d8 (Surr) 101 70 - 130 01/17/25 14:20 4-Bromofluorobenzene (Surr) 70 - 130 01/17/25 14:20 96 Dibromofluoromethane (Surr) 102 70 - 130 01/17/25 14:20

0.15

Lab Sample ID: LCS 885-19484/4

Matrix: Air

Analysis Batch: 19484

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	20.1	17.8		ug/L		88	70 - 130	
Benzene	20.1	19.6		ug/L		97	70 - 130	
Chlorobenzene	20.1	21.7		ug/L		108	70 - 130	
Toluene	20.2	20.6		ug/L		102	70 - 130	
Trichloroethene (TCE)	20.2	18.8		ug/L		93	70 - 130	

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1,2-Dichloroethane-d4 (Surr) 106 Toluene-d8 (Surr) 100 70 - 130 4-Bromofluorobenzene (Surr) 70 - 130 96 Dibromofluoromethane (Surr) 101 70 - 130

Lab Sample ID: 885-18391-1 DU

Matrix: Air

Analysis Batch: 19484

Client Sample ID: Influent 011425
Prep Type: Total/NA

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

Eurofins Albuquerque

Released to Imaging: 4/17/2025 1:37:05 PM

Job ID: 885-18391-1 Client: Hilcorp Energy

Project/Site: LC Kelly #1E

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

Lab Sample ID: 885-18391-1 DU

Matrix: Air

Analysis Batch: 19484

Client Sample ID: Influent 011425

Prep Type: Total/NA

RPD **RPD** Limit NC

6

DU DU Sample Sample Result Qualifier Result Qualifier Unit Analyte ND ND 20 1,3-Dichlorobenzene ug/L 1,3-Dichloropropane ND ND ug/L NC 20 ND ND 1,4-Dichlorobenzene ug/L NC 20 1-Methylnaphthalene ND ND ug/L NC 20 ND ND ug/L NC 20 2,2-Dichloropropane 2-Butanone ND ND ug/L NC 20 ND ND ug/L NC 20 2-Chlorotoluene 2-Hexanone ND ND ug/L NC 20 ug/L 2-Methylnaphthalene ND ND NC 20 4-Chlorotoluene ND ND ug/L NC 20 4-Isopropyltoluene ND ND ug/L NC 20 ND 4-Methyl-2-pentanone ND ug/L NC 20 Acetone ND ND ug/L NC 20 Benzene 31 30.2 ug/L 2 20 ND ND 20 Bromobenzene ug/L NC ND Bromodichloromethane NΠ ug/L NC 20 Dibromochloromethane ND ND ug/L NC 20 ND ND Bromoform NC 20 ug/L Bromomethane ND ND ug/L NC 20 Carbon disulfide ND ND ug/L NC 20 Carbon tetrachloride ND ND ug/L NC 20 Chlorobenzene ND ND ug/L NC 20 Chloroethane ND ND ug/L NC 20 ND Chloroform ND ug/L NC 20 ND Chloromethane ND ug/L NC 20 ND ND cis-1,2-Dichloroethene 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 4.0 3.76 ug/L 5 20 ND ND NC Hexachlorobutadiene ug/L 20 Isopropylbenzene ND ND ug/L NC 20 ND Methyl-tert-butyl Ether (MTBE) ND ug/L NC 20 Methylene Chloride ND ND ug/L NC 20 ug/L n-Butylbenzene ND ND NC 20 N-Propylbenzene ND ND ug/L NC 20 Naphthalene ND ND ug/L NC 20 ND ND ug/L NC sec-Butylbenzene 20 ND ND Styrene ug/L NC 20 ND ND ug/L NC tert-Butylbenzene 20 Tetrachloroethene (PCE) ND ND NC 20 ug/L Toluene 55 53.4 ug/L 3 20 trans-1,2-Dichloroethene ND ND ug/L NC 20 trans-1,3-Dichloropropene NΠ NΠ 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 35 33.2 ug/L 20

Client: Hilcorp Energy Job ID: 885-18391-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: 885-18391-1 DU Matrix: Air

Analysis Batch: 19484

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
Toluene-d8 (Surr)	126		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130

Client Sample ID: Influent 011425 Prep Type: Total/NA

5

0

8

40

11

QC Association Summary

Client: Hilcorp Energy

Job ID: 885-18391-1

Project/Site: LC Kelly #1E

GC/MS VOA

Analysis Batch: 19484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
885-18391-1	Influent 011425	Total/NA	Air	8260B
MB 885-19484/1005	Method Blank	Total/NA	Air	8260B
LCS 885-19484/4	Lab Control Sample	Total/NA	Air	8260B
885-18391-1 DU	Influent 011425	Total/NA	Air	8260B

Analysis Batch: 19491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18391-1	Influent 011425	Total/NA	Air	8015M/D	
MB 885-19491/4	Method Blank	Total/NA	Air	8015M/D	
LCS 885-19491/3	Lab Control Sample	Total/NA	Air	8015M/D	
885-18391-1 DU	Influent 011425	Total/NA	Air	8015M/D	

1

3

4

0

7

1 N

11

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-18391-1

Project/Site: LC Kelly #1E

Date Received: 01/15/25 07:10

Client Sample ID: Influent 011425

Lab Sample ID: 885-18391-1 Date Collected: 01/14/25 11:40

Matrix: Air

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015M/D		10	19491	СМ	EET ALB	01/17/25 14:45
Total/NA	Analysis	8260B		10	19484	CM	EET ALB	01/17/25 14:45

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: 885-18391-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque

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

uthority	Progra	m	Identification Number	Expiration Dat	
lew Mexico	State		NM9425, NM0901 02-26-25		
	are included in this report, but	t the laboratory is not certif	ied by the governing authority. This lis	st may include analy	
Analysis Method	Prep Method	Matrix	Analyte		
8015M/D		Air	Gasoline Range Organics	(GRO)-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	ane	
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		
8260B		Air	Dibromochloromethane		

Eurofins Albuquerque

2

3

4

8

40

11

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-18391-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

thority	Program		Identification Number	Expiration Date
• .	•	t the laboratory is not certif	ied by the governing authority. This lis	st may include analyte
for which the agency do	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
8260B		Air	Dibromomethane	
8260B		Air	Dichlorodifluoromethane	
8260B		Air	Ethylbenzene	
8260B		Air	Hexachlorobutadiene	
8260B		Air	Isopropylbenzene	
8260B		Air	Methylene Chloride	
8260B		Air	Methyl-tert-butyl Ether (M	TBE)
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	
egon	NELAI	o	NM100001	02-25-25

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
015M/D		Air	Gasoline Range Organics (GRO)-C6-C10
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-18391-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

ority	Progra	am	Identification Number Expiration	Date
	are included in this report, bu	ut the laboratory is not certif	ied by the governing authority. This list may include a	nalyte
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		
8260B		Air	Ethylbenzene Hexachlorobutadiene	
8260B		Air	Isopropylbenzene	
8260B 8260B		Air	Methyl tert butyl Ether (MTRE)	
		Air	Methyl-tert-butyl Ether (MTBE)	
8260B		Air	Naphthalene n-Butylbenzene	
8260B		Air	•	
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	

Eurofins Albuquerque

2

5

4

7

9

10

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

January 20, 2025

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

Quote ID: B15626 Work Order: B25011073

Project Name: 88500531, LC Kelly #1E

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 1/16/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Da	te Matrix	Test
B25011073-001	Influent 011425 (885- 18391-1)	01/14/25 11:40 01/16/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist Free Natural Gas Analysis Specific Gravity @ 60/60

ANALYTICAL SUMMARY REPORT

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.

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

Report Date: 01/20/25

Matrix: Air

Collection Date: 01/14/25 11:40 **DateReceived:** 01/16/25

3

Л

6

9

11

3

5

6

10

12

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Hall Environmental

 Project:
 88500531, LC Kelly #1E

 Lab ID:
 B25011073-001

Client Sample ID: Influent 011425 (885-18391-1)

MCL/ QCL RLResult Units Qualifiers Method Analysis Date / By Analyses GAS CHROMATOGRAPHY ANALYSIS REPORT Oxygen 20.71 Mol % 0.01GPA 2261-13 01/17/25 10:23 / jrj Nitrogen 78.15 Mol % 0.01 GPA 2261-13 01/17/25 10:23 / jrj Carbon Dioxide 1.06 Mol % 0.01 GPA 2261-13 01/17/25 10:23 / jrj Hydrogen Sulfide <0.01 Mol % 0.01 GPA 2261-13 01/17/25 10:23 / jrj Methane <0.01 Mol % 0.01 GPA 2261-13 01/17/25 10:23 / jrj Ethane <0.01 Mol % 0.01 GPA 2261-13 01/17/25 10:23 / jrj Propane <0.01 Mol % 0.01GPA 2261-13 01/17/25 10:23 / jrj Isobutane < 0.01 Mol % 0.01 GPA 2261-13 01/17/25 10:23 / jrj n-Butane <0.01 Mol % 0.01 GPA 2261-13 01/17/25 10:23 / jrj Isopentane <0.01 Mol % 0.01 GPA 2261-13 01/17/25 10:23 / jrj <0.01 Mol % n-Pentane 0.01GPA 2261-13 01/17/25 10:23 / jrj Hexanes plus 0.08 Mol % 0.01 GPA 2261-13 01/17/25 10:23 / jrj 0.001 Propane < 0.001 gpm GPA 2261-13 01/17/25 10:23 / jrj Isobutane < 0.001 gpm 0.001 GPA 2261-13 01/17/25 10:23 / jrj n-Butane < 0.001 gpm 0.001 GPA 2261-13 01/17/25 10:23 / jrj Isopentane < 0.001 gpm 0.001 GPA 2261-13 01/17/25 10:23 / jrj n-Pentane < 0.001 gpm 0.001 GPA 2261-13 01/17/25 10:23 / jrj Hexanes plus 0.034 gpm 0.001 GPA 2261-13 01/17/25 10:23 / jrj **GPM Total** 0.034 gpm 0.001 GPA 2261-13 01/17/25 10:23 / jrj **GPM Pentanes plus** 0.034 gpm 0.001 GPA 2261-13 01/17/25 10:23 / jrj **CALCULATED PROPERTIES** Gross BTU per cu ft @ Std Cond. (HHV) 4 1 GPA 2261-13 01/17/25 10:23 / jrj Net BTU per cu ft @ std cond. (LHV) 4 GPA 2261-13 1 01/17/25 10:23 / jrj Pseudo-critical Pressure, psia 548 1 GPA 2261-13 01/17/25 10:23 / jrj GPA 2261-13 Pseudo-critical Temperature, deg R 242 1 01/17/25 10:23 / jrj Specific Gravity @ 60/60F 1.00 0.001 D3588-81 01/17/25 10:23 / jrj GPA 2261-13 01/17/25 10:23 / jrj Air, % 94.64 0.01 - The analysis was not corrected for air.

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.

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

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

01/17/25 10:23 / jrj

Work Order: B25011073



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

Report Date: 01/20/25

QA/QC Summary Report

Prepared by Billings, MT Branch

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-13									Batch:	R435543
Lab ID:	LCS011725	11 Lab	oratory Co	ntrol Sample			Run: GC78	90_250117A		01/17	/25 12:50
Oxygen			0.64	Mol %	0.01	128	70	130			
Nitrogen			5.88	Mol %	0.01	98	70	130			
Carbon D	ioxide		0.99	Mol %	0.01	100	70	130			
Methane			74.6	Mol %	0.01	100	70	130			
Ethane			6.08	Mol %	0.01	101	70	130			
Propane			5.08	Mol %	0.01	103	70	130			
Isobutane	•		1.73	Mol %	0.01	86	70	130			
n-Butane			2.01	Mol %	0.01	100	70	130			
Isopentan	e		1.14	Mol %	0.01	114	70	130			
n-Pentane	e		1.01	Mol %	0.01	101	70	130			
Hexanes	plus		0.80	Mol %	0.01	100	70	130			
Lab ID:	B25011073-001ADUP	12 Sai	mple Duplic	ate			Run: GC78	90_250117A		01/17	/25 11:12
Oxygen			20.7	Mol %	0.01				0.2	20	
Nitrogen			78.2	Mol %	0.01				0	20	
Carbon D	ioxide		1.08	Mol %	0.01				1.9	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	e		<0.01	Mol %	0.01					20	
	_		< 0.01	Mol %	0.01					20	
n-Pentane	=		\0.01	IVIOI 70	0.01					20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

B25011073

Work Order Receipt Checklist

Hall Environmental

Login completed by: Crystal M. Jones Date Received: 1/16/2025 Reviewed by: Received by: CMJ lleprowse Reviewed Date: 1/17/2025 Carrier name: FedEx NDA Not Present ☐ Shipping container/cooler in good condition? Yes √ No 🗌 Custody seals intact on all shipping container(s)/cooler(s)? Not Present Yes √ No 🗌 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? Yes √ No 🖂 (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) Temp Blank received in all shipping container(s)/cooler(s)? Yes No √ Not Applicable Container/Temp Blank temperature: 13.2°C No Ice Containers requiring zero headspace have no headspace or Yes No 🗌 No VOA vials submitted bubble that is <6mm (1/4"). 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

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	
d	Louisiana	05079	
ANAB	Montana	CERT0044	
ARSI hamonal Acciontation there	Nebraska	NE-OS-13-04	
TESTING LARGRATORY	Nevada	NV-C24-00250	
ACCES.	North Dakota	R-007	
	National Radon Proficiency	109383-RMP	
100	Oregon	4184	
DOKATOR	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	
C 14/1/	Louisiana	05083	
Casper, WY	Montana	CERT0002	
Ma according	Nebraska	NE-OS-08-04	
	Nevada	NV-C24-00245	
MORNOR	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	
4 7 4 4	Colorado	MT00945	
Helena, MT	Montana	CERT0079	
120000000000000000000000000000000000000	Nevada	NV-C24-00119	
	US EPA Region VIII	Reciprocal	
	USDA Soil Permit	P330-20-00090	

age 5 of 7 1/22/2025

Page 96 of 255

Eurofins Albuquerque

4901 Hawkins NE

Chain of Custody Record

200	W 120
-	SAF
100	
	77.5

	PAI	- 2 2 2 4
		4 6 6 2

	Sampler:								Carrier Tracking No(s): N/A				COC No: 885-3581.1			
Client Information (Sub Contract Lab) Dient Contact:	Phone:			E-Ma		cia, Michelle				te of Origin	12		-	Page:		
Shipping/Receiving	N/A						t.eurofin		n		w Mexic				Page 1 of 1	
Company: Energy Laboratories, Inc.							equired (S gon; Sta		v Mexi	ico					Job #: 885-18391-1	
Address:	Due Date Request	ed:			IVED	u oic	gon, ota								Preservation Co	des:
1120 South 27th Street, ,	1/22/2025							Analy	ysis l	Requ	ested				7	
Dity: Billings	TAT Requested (d	ays): N/A						1								
State, Zip:			•													
VIT, 59101					4 1					- 1						
Phone: 106-252-6325(Tel)	PO #: N/A				اجا											
mail:	WO #:				Sample (Yes or No											
N/A	N/A				es of	ase								5		
roject Name: .C Kelly #1E	Project #: 88500531				S 0	8			-					Itain		
Site:	SSOW#:				필	ΙË	1 1							200	Other:	
N/A	N/A				Sam	ses	1 1							To	N/A	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, I=Tissue, A=Air)	Field Filtered	SUB (Fixed Gases)/ Fixed Gases								Total Number of containers	Special I	nstructions/Note:
		$>\!\!<$	Preservat	on Code:	X									\times		
nfluent 011425 (885-18391-1)	1/14/25	11:40 Mountain	G	Air		X								1	B25011	073
		Wountain			T										02001	
				_	H		+	-		-	++	+				
					Ш	1										
				1												
					T											
					₩	++	+	_	+	_	++	+-	-			
					H											
					Н							_	_			
					11											
ote: Since laboratory accreditations are subject to change, Eurofins Er	vironment Testing South Cen	tral III C place	s the ownership	of method, a	nalyte 8	accredita	tion compl	ance upo	on our s	ubcontra	ct laborato	ies. This	sample s	shipme	ent is forwarded und	er chain-of-custody. If t
boratory does not currently maintain accreditation in the State of Origin ccreditation status should be brought to Eurofins Environment Testing	n listed above for analysis/test	ts/matrix being	analyzed, the s	imples must l	be shipp	ed back t	the Euro	ns Envir	onment	Testing	South Cent	ral, LLC I	aboratory	or oth	ner instructions will b	e provided. Any chang
	South Central, LLC attention i	mmediately. I	all requested a	creditations a							3					
Possible Hazard Identification					Sa				may t						ed longer than 1	
Inconfirmed	51 51				_		um To C				osal By I	.ab		Archi	ive For	Months
eliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank:	2		S	oeciai in	struction	S/QC R	equire	ments						
mpty Kit Relinquished by:		Date:			Time	;					Method	of Shipm	ent:			
elinquished by:	Date/Time;	12-	111000	ompany		Receive	ed by:					Date/	Time:			Company
Ithe Miller	1/15	18	400	Constants.												
delinquished by:	Date/Time: (ompany		Receive	ed by:					Date/	ime:			Company
						-	,									
Relinquished by:	Date/Time:		C	ompany		Receiv	ed by:			de		Date/	Time:		105	Company







1

2

3

4

5

7

8

9

10

4 4

12

Preservative None

Container Type Tedlar Bag 1L

ICOC No: 885-3581 Containers Count

> Page 7 of 7 1/22/2025

6
=-
6
a
$b_{\rm J}$
-
~
-
<u> </u>
.5.3
Name of Street
4
-
S
<.
1/3
0
12
5
-
9
4.7
CÚ.
1
N
-
h
-
-

Chain-of-Custody Record Client: Hilcop Attn: Metal Kulland Mailing Address: Phone #:	Standard Rush Arth: Mtd. Valland ailing Address: Project #: Project #: ANALYSIS LABO www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87 885-18391 COC Tel. 505-345-3975 Fax 505-345-4107 Analysis Request						
email or Fax#: MKIllow h & hillow p. Com QA/QC Package: □ Standard □ Level 4 (Full Validation) Accreditation: □ Az Compliance □ NELAC □ Other □ EDD (Type)	BTEX / MTBE / TMB's (8021) TPH:8015D(GRO1)PRO1 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) Full L/5† 8270 (Semi-VOA) Total Coliform (Present/Absent) F1xad Cas CO & CO						
0	Container Preservative HEAL No. Type and # Type 2 · Tella	BTEX / M TPH:8015 8081 Pes 8081 Pes EDB (Met PAHS by 6 RCRA 8 M CI, F, Br, X 8260 (VO 8270 (Ser					
Date Time Relinquished by: Date Time Relinquished by If necessary, samples submitted to Hall Environmental may be submitted to Hall E	Received by: Via: Date Time 1/4/25 V32 Received by: Via: Date Time 1/4/25 V32 Time Our LV VIII VIIII VIIII VIIII VIII VIII VIII VIIII VIII VIII VIII VIII VIII	Remarks: Shyde C: dbwns @ ensolum. com b her b Is possibility Any sub-contracted data will be clearly notated on the analytical report					

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-18391-1

Login Number: 18391 List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Creator: McQuiston, Steven		
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.	True	
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	
ls 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	

.

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/13/2025 11:28:56 AM

JOB DESCRIPTION

LC Kelly #1E

JOB NUMBER

885-18885-1

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 2/13/2025 11:28:56 AM

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

Page 2 of 27 2/13/2025

3

4

5

7

10

11

Client: Hilcorp Energy
Laboratory Job ID: 885-18885-1
Project/Site: LC Kelly #1E

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	
Client Sample Results	6
QC Sample Results	8
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Subcontract Data	
Chain of Custody	26
Receipt Checklists	27

Eurofins Albuquerque 2/13/2025

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-18885-1

Project/Site: LC Kelly #1E

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

Duplicate RPD exceeds the control limit

Glossary

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)

MQL NC

MDC

MDL

MPN

ML

Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Method Quantitation Limit

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

Minimum Detectable Concentration (Radiochemistry)

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC**

Case Narrative

Client: Hilcorp Energy Job ID: 885-18885-1 Project: LC Kelly #1E

Job ID: 885-18885-1 **Eurofins Albuquerque**

> Job Narrative 885-18885-1

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 1/25/2025 7:45 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 3.2°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

Method 8015D GRO MS: The sample duplicate (DUP) precision for analytical batch 885-20146 was outside control limits. Sample and sample duplicate were analyzed twice with similar nonhomogeneous results, therefore matrix interference or air bag integrity is suspected.

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

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch 885-20128 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The sample duplicate (DUP) precision for analytical batch 885-20128 was outside control limits. Sample and sample duplicate were analyzed twice with similar nonhomogeneous results, therefore matrix interference or air bag integrity is suspected.

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: 885-18885-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 012225

Date Collected: 01/22/25 14:10

Date Received: 01/25/25 07:45
Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-18885-1

Matrix: Air

auix. Aii

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 1200
 100
 ug/L
 01/31/25 13:52
 20

C10]

 Surrogate
 %Recovery 4-Bromofluorobenzene (Surr)
 Qualifier 97
 Limits 52 - 172
 Prepared 01/31/25 13:52
 Analyzed 20
 Dil Fac 20

Q

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

Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND ND	2.0	ug/L			01/31/25 13:52	20
1,1,1-Trichloroethane	ND	2.0	ug/L			01/31/25 13:52	20
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L			01/31/25 13:52	20
1,1,2-Trichloroethane	ND	2.0	ug/L			01/31/25 13:52	20
1,1-Dichloroethane	ND	2.0	ug/L			01/31/25 13:52	20
1,1-Dichloroethene	ND	2.0	ug/L			01/31/25 13:52	20
1,1-Dichloropropene	ND	2.0	ug/L			01/31/25 13:52	20
1,2,3-Trichlorobenzene	ND	2.0	ug/L			01/31/25 13:52	20
1,2,3-Trichloropropane	ND	4.0	ug/L			01/31/25 13:52	20
1,2,4-Trichlorobenzene	ND	2.0	ug/L			01/31/25 13:52	20
1,2,4-Trimethylbenzene	ND	2.0	ug/L			01/31/25 13:52	20
4.0 D'I 0.011		4.0	,,			04/04/05 40 50	

			=		
1,2,4-Trimethylbenzene	ND	2.0	ug/L	01/31/25 13:52	20
1,2-Dibromo-3-Chloropropane	ND	4.0	ug/L	01/31/25 13:52	20
1,2-Dibromoethane (EDB)	ND	2.0	ug/L	01/31/25 13:52	20
1,2-Dichlorobenzene	ND	2.0	ug/L	01/31/25 13:52	20
1,2-Dichloroethane (EDC)	ND	2.0	ug/L	01/31/25 13:52	20
1,2-Dichloropropane	ND	2.0	ug/L	01/31/25 13:52	20
1,3,5-Trimethylbenzene	ND	2.0	ug/L	01/31/25 13:52	20
1,3-Dichlorobenzene	ND	2.0	ug/L	01/31/25 13:52	20
1,3-Dichloropropane	ND	2.0	ug/L	01/31/25 13:52	20
1,4-Dichlorobenzene	ND	2.0	ug/L	01/31/25 13:52	20
1-Methylnaphthalene	ND	8.0	ug/L	01/31/25 13:52	20
2,2-Dichloropropane	ND	4.0	ug/L	01/31/25 13:52	20
2-Butanone	ND	20	ug/L	01/31/25 13:52	20
2-Chlorotoluene	ND	2.0	ug/L	01/31/25 13:52	20
2-Hexanone	ND	20	ug/L	01/31/25 13:52	20
2-Methylnaphthalene	ND	8.0	ug/L	01/31/25 13:52	20
4-Chlorotoluene	ND	2.0	ug/L	01/31/25 13:52	20
4-Isopropyltoluene	ND	2.0	ug/L	01/31/25 13:52	20

4-Methyl-2-pentanone ND 20 ug/L 01/31/25 13:52 01/31/25 13:52 Acetone ND 20 ug/L Benzene 7.9 2.0 ug/L 01/31/25 13:52 Bromobenzene ND 2.0 ug/L 01/31/25 13:52 01/31/25 13:52 Bromodichloromethane ND 2.0 ug/L Dibromochloromethane ND 2.0 ug/L 01/31/25 13:52

ND 01/31/25 13:52 Bromoform 2.0 ug/L Bromomethane ND 6.0 ug/L 01/31/25 13:52 Carbon disulfide ND 20 ug/L 01/31/25 13:52 Carbon tetrachloride ND 2.0 01/31/25 13:52 ug/L

 Chlorobenzene
 ND
 2.0
 ug/L
 01/31/25 13:52

 Chloroethane
 ND
 4.0
 ug/L
 01/31/25 13:52

 Chloroform
 ND
 2.0
 ug/L
 01/31/25 13:52

Eurofins Albuquerque

20

20

20

20

20

20

20

20

20

20

20

20

20

3

-

6

8

10

Client Sample Results

Client: Hilcorp Energy Job ID: 885-18885-1

Project/Site: LC Kelly #1E

Surrogate

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Client Sample ID: Influent 012225

Date Collected: 01/22/25 14:10 Date Received: 01/25/25 07:45

Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-18885-1

Matrix: Air

Method: SW846 8260B - Volatile Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND ND	6.0	ug/L		· ·	01/31/25 13:52	20
cis-1,2-Dichloroethene	ND	2.0	ug/L			01/31/25 13:52	20
cis-1,3-Dichloropropene	ND	2.0	ug/L			01/31/25 13:52	20
Dibromomethane	ND	2.0	ug/L			01/31/25 13:52	20
Dichlorodifluoromethane	ND	2.0	ug/L			01/31/25 13:52	20
Ethylbenzene	ND	2.0	ug/L			01/31/25 13:52	20
Hexachlorobutadiene	ND	2.0	ug/L			01/31/25 13:52	20
Isopropylbenzene	ND	2.0	ug/L			01/31/25 13:52	20
Methyl-tert-butyl Ether (MTBE)	ND	2.0	ug/L			01/31/25 13:52	20
Methylene Chloride	ND	6.0	ug/L			01/31/25 13:52	20
n-Butylbenzene	ND	6.0	ug/L			01/31/25 13:52	20
N-Propylbenzene	ND	2.0	ug/L			01/31/25 13:52	20
Naphthalene	ND	4.0	ug/L			01/31/25 13:52	20
sec-Butylbenzene	ND	2.0	ug/L			01/31/25 13:52	20
Styrene	ND	2.0	ug/L			01/31/25 13:52	20
tert-Butylbenzene	ND	2.0	ug/L			01/31/25 13:52	20
Tetrachloroethene (PCE)	ND	2.0	ug/L			01/31/25 13:52	20
Toluene	9.5	2.0	ug/L			01/31/25 13:52	20
trans-1,2-Dichloroethene	ND	2.0	ug/L			01/31/25 13:52	20
trans-1,3-Dichloropropene	ND	2.0	ug/L			01/31/25 13:52	20
Trichloroethene (TCE)	ND	2.0	ug/L			01/31/25 13:52	20
Trichlorofluoromethane	ND	2.0	ug/L			01/31/25 13:52	20
Vinyl chloride	ND	2.0	ug/L			01/31/25 13:52	20
Xylenes, Total	ND	3.0	ug/L			01/31/25 13:52	20

Limits

70 - 130

70 - 130

70 - 130

70 - 130

%Recovery Qualifier

92

101

103

94

Dil Fac

20

20

20

20

Analyzed

01/31/25 13:52

01/31/25 13:52

01/31/25 13:52

01/31/25 13:52

Prepared

Job ID: 885-18885-1 Client: Hilcorp Energy

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-20146/5 Client Sample ID: Method Blank Matrix: Air Prep Type: Total/NA

Analysis Batch: 20146

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics [C6 - C10] ND 5.0 ug/L 01/31/25 13:20

MB MB

Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 52 - 172 4-Bromofluorobenzene (Surr) 96 01/31/25 13:20

Lab Sample ID: LCS 885-20146/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Air

Analysis Batch: 20146

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 500 485 ug/L 97 70 - 130 Gasoline Range Organics [C6 -

C10]

LCS LCS %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 97 52 - 172

Lab Sample ID: 885-18885-1 DU Client Sample ID: Influent 012225 Prep Type: Total/NA

Matrix: Air

Analysis Batch: 20146

Sample Sample DU DU **RPD** Result Qualifier Result Qualifier RPD Limit Analyte Unit Gasoline Range Organics [C6 -1200 1640 F3 ug/L 20

C10]

DU DU %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 95 52 - 172

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

Analysis Batch: 20128

Lab Sample ID: MB 885-20128/6 Client Sample ID: Method Blank Matrix: Air Prep Type: Total/NA

	MB MB						
Analyte	Result Qualifie	er RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND ND	1.0	ug/L			01/31/25 13:20	1
1,1,1-Trichloroethane	ND	1.0	ug/L			01/31/25 13:20	1
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L			01/31/25 13:20	1
1,1,2-Trichloroethane	ND	1.0	ug/L			01/31/25 13:20	1
1,1-Dichloroethane	ND	1.0	ug/L			01/31/25 13:20	1
1,1-Dichloroethene	ND	1.0	ug/L			01/31/25 13:20	1
1,1-Dichloropropene	ND	1.0	ug/L			01/31/25 13:20	1
1,2,3-Trichlorobenzene	ND	1.0	ug/L			01/31/25 13:20	1
1,2,3-Trichloropropane	ND	2.0	ug/L			01/31/25 13:20	1
1,2,4-Trichlorobenzene	ND	1.0	ug/L			01/31/25 13:20	1
1,2,4-Trimethylbenzene	ND	1.0	ug/L			01/31/25 13:20	1
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L			01/31/25 13:20	1
1,2-Dibromoethane (EDB)	ND	1.0	ug/L			01/31/25 13:20	1
1,2-Dichlorobenzene	ND	1.0	ug/L			01/31/25 13:20	1

Client: Hilcorp Energy Job ID: 885-18885-1

Project/Site: LC Kelly #1E

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

Matrix: Air

Client Sample ID: Method Blank

Prep Type: Total/NA

Method. 6260E	o - voiatile	Organic	Compounds	(GC/IVIS)	(Continued)	
						_

Lab	Sai	mple	ID:	MB	885-2	2012	28/6

Analysis	Batch:	20128
-----------------	--------	-------

	MB MB					
Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
1,2-Dichloroethane (EDC)	ND	1.0	ug/L		01/31/25 13:20	1
1,2-Dichloropropane	ND	1.0	ug/L		01/31/25 13:20	1
1,3,5-Trimethylbenzene	ND	1.0	ug/L		01/31/25 13:20	1
1,3-Dichlorobenzene	ND	1.0	ug/L		01/31/25 13:20	1
1,3-Dichloropropane	ND	1.0	ug/L		01/31/25 13:20	1
1,4-Dichlorobenzene	ND	1.0	ug/L		01/31/25 13:20	1
1-Methylnaphthalene	ND	4.0	ug/L		01/31/25 13:20	1
2,2-Dichloropropane	ND	2.0	ug/L		01/31/25 13:20	1
2-Butanone	ND	10	ug/L		01/31/25 13:20	1
2-Chlorotoluene	ND	1.0	ug/L		01/31/25 13:20	1
2-Hexanone	ND	10	ug/L		01/31/25 13:20	1
2-Methylnaphthalene	ND	4.0	ug/L		01/31/25 13:20	1
4-Chlorotoluene	ND	1.0	ug/L		01/31/25 13:20	1
4-Isopropyltoluene	ND	1.0	ug/L		01/31/25 13:20	1
4-Methyl-2-pentanone	ND	10	ug/L		01/31/25 13:20	1
Acetone	ND	10	ug/L		01/31/25 13:20	1
Benzene	ND	1.0	ug/L		01/31/25 13:20	1
Bromobenzene	ND	1.0	ug/L		01/31/25 13:20	1
Bromodichloromethane	ND	1.0	ug/L		01/31/25 13:20	1
Dibromochloromethane	ND	1.0	ug/L		01/31/25 13:20	1
Bromoform	ND	1.0	ug/L		01/31/25 13:20	1
Bromomethane	ND	3.0	ug/L		01/31/25 13:20	1
Carbon disulfide	ND	10	ug/L		01/31/25 13:20	1
Carbon tetrachloride	ND	1.0	ug/L		01/31/25 13:20	1
Chlorobenzene	ND	1.0	ug/L		01/31/25 13:20	1
Chloroethane	ND	2.0	ug/L		01/31/25 13:20	1
Chloroform	ND	1.0	ug/L		01/31/25 13:20	1
Chloromethane	ND	3.0	ug/L		01/31/25 13:20	1
cis-1,2-Dichloroethene	ND	1.0	ug/L		01/31/25 13:20	1
cis-1,3-Dichloropropene	ND	1.0	ug/L		01/31/25 13:20	1
Dibromomethane	ND	1.0	ug/L		01/31/25 13:20	1
Dichlorodifluoromethane	ND	1.0	ug/L		01/31/25 13:20	1
Ethylbenzene	ND	1.0	ug/L		01/31/25 13:20	1
Hexachlorobutadiene	ND	1.0	ug/L		01/31/25 13:20	1
Isopropylbenzene	ND	1.0	ug/L		01/31/25 13:20	· 1
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/L		01/31/25 13:20	1
Methylene Chloride	ND	3.0	ug/L		01/31/25 13:20	1
n-Butylbenzene	ND	3.0	ug/L		01/31/25 13:20	
N-Propylbenzene	ND	1.0	ug/L		01/31/25 13:20	1
Naphthalene	ND	2.0	ug/L		01/31/25 13:20	1
sec-Butylbenzene	ND	1.0			01/31/25 13:20	
•	ND		ug/L			
Styrene		1.0	ug/L		01/31/25 13:20	1
tert-Butylbenzene	ND	1.0	ug/L		01/31/25 13:20	
Tetrachloroethene (PCE)	ND ND	1.0	ug/L		01/31/25 13:20	1
Toluene	ND ND	1.0	ug/L		01/31/25 13:20	1
trans-1,2-Dichloroethene	ND ND	1.0	ug/L		01/31/25 13:20	
trans-1,3-Dichloropropene	ND	1.0	ug/L		01/31/25 13:20	1
Trichloroethene (TCE)	ND	1.0	ug/L		01/31/25 13:20	1
Trichlorofluoromethane	ND	1.0	ug/L		01/31/25 13:20	1

Client: Hilcorp Energy Project/Site: LC Kelly #1E Job ID: 885-18885-1

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

Lab Sample ID: MB 885-20128/6 Matrix: Air

Analyte Vinyl chloride Xylenes, Total

Analysis Batch: 20128

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB						
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
9	ND		1.0	ug/L			01/31/25 13:20	1
al	ND		1.5	ua/l			01/31/25 13:20	1

MB MB %Recovery Qualifier Prepared Surrogate Limits Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 70 - 130 01/31/25 13:20 97 Toluene-d8 (Surr) 99 70 - 130 01/31/25 13:20 4-Bromofluorobenzene (Surr) 70 - 130 01/31/25 13:20 100 Dibromofluoromethane (Surr) 97 70 - 130 01/31/25 13:20

Lab Sample ID: LCS 885-20128/5

Matrix: Air

Analysis Batch: 20128

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	20.1	19.2		ug/L		95	70 - 130	
Benzene	20.1	20.2		ug/L		100	70 - 130	
Chlorobenzene	20.1	20.3		ug/L		101	70 - 130	
Toluene	20.2	20.2		ug/L		100	70 - 130	
Trichloroethene (TCE)	20.2	18.6		ug/L		92	70 - 130	

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1,2-Dichloroethane-d4 (Surr) 95 Toluene-d8 (Surr) 98 70 - 130 4-Bromofluorobenzene (Surr) 101 70 - 130 Dibromofluoromethane (Surr) 97 70 - 130

Lab Sample ID: 885-18885-1 DU

Matrix: Air

Analysis Batch: 20128

Client Sample ID: Influent 012225	
Prep Type: Total/NA	

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

Job ID: 885-18885-1 Client: Hilcorp Energy

Project/Site: LC Kelly #1E

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

ND

ND

Lab Sample ID: 885-18885-1 DU

Matrix: Air

Carbon tetrachloride

Chlorobenzene

Analysis Batch: 20128

Client Sample	D:	Influ	ent	012	225
	Pror	Tyn	ο٠ Τ	otal	/ΝΔ

pu.	· Otali	•	

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

NC

NC

	Sample	Sample	DU	DU				RPD	
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit	
1,3-Dichlorobenzene	ND		ND		ug/L		NC 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 ND ND ug/L 2,2-Dichloropropane NC 2-Butanone ND ND ug/L NC ND ND ug/L NC 2-Chlorotoluene 2-Hexanone ND ND ug/L NC

2-Methylnaphthalene ND ND ug/L NC 4-Chlorotoluene ND ND ug/L NC ND 4-Isopropyltoluene ND ug/L NC ND 4-Methyl-2-pentanone ND ug/L NC ND ND Acetone ug/L NC

7.9 Benzene 11.0 F3 ug/L 33 ND ND NC Bromobenzene ug/L Bromodichloromethane ND ND ug/L NC Dibromochloromethane ND ND ug/L NC ND ND Bromoform NC ug/L Bromomethane ND ND ug/L NC Carbon disulfide ND ND ug/L NC

ND

ND

ug/L

ug/L Chloroethane ND ND ug/L NC 20 ND Chloroform ND ug/L NC 20 ND Chloromethane ND ug/L NC 20 ND ND cis-1,2-Dichloroethene 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 20 NC Ethylbenzene ND ND ug/L NC 20 ND ND ug/L NC Hexachlorobutadiene 20 Isopropylbenzene ND ND ug/L NC

20 ND Methyl-tert-butyl Ether (MTBE) ND ug/L NC 20 Methylene Chloride ND ND ug/L NC 20 ug/L n-Butylbenzene ND ND NC 20 N-Propylbenzene ND ND ug/L NC 20 Naphthalene ND ND ug/L NC 20 ND ND ug/L NC sec-Butylbenzene 20 ND ND NC Styrene ug/L 20 ND ND ug/L NC tert-Butylbenzene 20 Tetrachloroethene (PCE) ND ND ug/L NC 20 Toluene 9.5 12.9 ug/L 30 20

trans-1,2-Dichloroethene ND ND ug/L NC trans-1,3-Dichloropropene NΠ ND ug/L NC Trichloroethene (TCE) ND ND ug/L NC Trichlorofluoromethane ND ND ug/L NC Vinyl chloride ND ND ug/L NC Xylenes, Total ND ND ug/L NC

Eurofins Albuquerque

20

20

20

20

20

Client: Hilcorp Energy Job ID: 885-18885-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 012225

Prep Type: Total/NA

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

Lab Sample ID: 885-18885-1 DU

Matrix: Air

Analysis Batch: 20128

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
Toluene-d8 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130

_

8

9

11

QC Association Summary

Client: Hilcorp Energy

Job ID: 885-18885-1

Project/Site: LC Kelly #1E

GC/MS VOA

Analysis Batch: 20128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18885-1	Influent 012225	Total/NA	Air	8260B	
MB 885-20128/6	Method Blank	Total/NA	Air	8260B	
LCS 885-20128/5	Lab Control Sample	Total/NA	Air	8260B	
885-18885-1 DU	Influent 012225	Total/NA	Air	8260B	

Analysis Batch: 20146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-18885-1	Influent 012225	Total/NA	Air	8015M/D	
MB 885-20146/5	Method Blank	Total/NA	Air	8015M/D	
LCS 885-20146/4	Lab Control Sample	Total/NA	Air	8015M/D	
885-18885-1 DU	Influent 012225	Total/NA	Air	8015M/D	

9

3

4

6

7

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-18885-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 012225

Lab Sample ID: 885-18885-1 Date Collected: 01/22/25 14:10

Matrix: Air

Date Received: 01/25/25 07:45

		Batch	Batch		Dilution	Batch			Prepared
	Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
=	Total/NA	Analysis	8015M/D		20	20146	СМ	EET ALB	01/31/25 13:52
Ŀ	Total/NA	Analysis	8260B		20	20128	CM	EET ALB	01/31/25 13:52

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

Client: Hilcorp Energy Job ID: 885-18885-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque

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

Authority	Progra	m	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	st may include analytes
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	
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	

Eurofins Albuquerque

2

3

4

6

8

9

11

Client: Hilcorp Energy Job ID: 885-18885-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

hority	Progra	am	Identification Number Expiration				
	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This li	st may include analyte			
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 (M	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-Dichloropropen	е			
8260B		Air	Trichloroethene (TCE)				
8260B		Air	Trichlorofluoromethane				
8260B		Air	Vinyl chloride				
8260B		Air	Xylenes, Total				
on	NELAI	o	NM100001	02-25-25			

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

Eurofins Albuquerque

2

5

9

10

Client: Hilcorp Energy Job ID: 885-18885-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

ority	Progra	am	Identification Number	Expiration Date
	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This list	may include analyte
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 (MT	BE)
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	

Eurofins Albuquerque

2

3

4

6

8

4 6

11

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

ANALYTICAL SUMMARY REPORT

February 11, 2025

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

Work Order: B25011649 Quote ID: B15626

Project Name: LC Kelly #1E, 88501698

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 1/28/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Da	te Matrix	Test
B25011649-001	Influent 012225 (885- 18885-1)	01/22/25 14:10 01/28/25	S 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.

2

3

4

5

9

10

11

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

Revised Date: 02/11/25 **Report Date:** 02/03/25

CASE NARRATIVE

CLIENT: Eurofins TestAmerica - Albuquerque

B25011649

Project: LC Kelly #1E, 88501698

Revised Date: 02/11/25

Work Order:

On 02/04/25 a request was received from Michelle Garcia at Eurofins TestAmerica - Albuquerque to revise this workorder by updating the account to reflect the current name Eurofins TestAmerica - Albuquerque.

The report has been revised and replaces the previously issued report dated 02/03/25 in its entirety.

2

4

5

8

10

11

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

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque

Project: LC Kelly #1E, 88501698

Lab ID: B25011649-001

Client Sample ID: Influent 012225 (885-18885-1)

Revised Date: 02/11/25 **Report Date:** 02/03/25

Collection Date: 01/22/25 14:10 DateReceived: 01/28/25

Matrix: Air

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	20.82	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
Nitrogen	78.42	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
Carbon Dioxide	0.75	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
Hydrogen Sulfide	< 0.01	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
Methane	< 0.01	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
Ethane	< 0.01	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
Propane	< 0.01	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
sobutane	< 0.01	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
n-Butane	< 0.01	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
sopentane	< 0.01	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
n-Pentane	< 0.01	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
lexanes plus	0.01	Mol %		0.01		GPA 2261-13	01/30/25 10:00 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	01/30/25 10:00 / jrj
sobutane	< 0.001	gpm		0.001		GPA 2261-13	01/30/25 10:00 / jrj
-Butane	< 0.001	gpm		0.001		GPA 2261-13	01/30/25 10:00 / jrj
sopentane	< 0.001	gpm		0.001		GPA 2261-13	01/30/25 10:00 / jrj
-Pentane	< 0.001	gpm		0.001		GPA 2261-13	01/30/25 10:00 / jrj
łexanes plus	0.004	gpm		0.001		GPA 2261-13	01/30/25 10:00 / jrj
SPM Total	0.004	gpm		0.001		GPA 2261-13	01/30/25 10:00 / jrj
SPM Pentanes plus	0.004	gpm		0.001		GPA 2261-13	01/30/25 10:00 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-13	01/30/25 10:00 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-13	01/30/25 10:00 / jrj
Pseudo-critical Pressure, psia	547			1		GPA 2261-13	01/30/25 10:00 / jrj
Pseudo-critical Temperature, deg R	241			1		GPA 2261-13	01/30/25 10:00 / jrj
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	01/30/25 10:00 / jrj
Air, % - The analysis was not corrected for air.	95.11			0.01		GPA 2261-13	01/30/25 10:00 / jrj

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

COMMENTS

Report RL - Analyte Reporting Limit MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

01/30/25 10:00 / jrj

⁻ 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.

Work Order: B25011649

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

Report Date: 02/03/25

QA/QC Summary Report

Prepared by Billings, MT Branch

									0.00		
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-13									Batch:	R436146
Lab ID:	B25011649-001ADUP	12 Sar	nple Duplic	ate		ı	Run: GC789	90_250130A		01/30	/25 10:49
Oxygen			21.2	Mol %	0.01				1.9	20	
Nitrogen			78.0	Mol %	0.01				0.5	20	
Carbon D	ioxide		0.76	Mol %	0.01				1.3	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	ne		<0.01	Mol %	0.01					20	
n-Pentane	е		<0.01	Mol %	0.01					20	
Hexanes	plus		0.01	Mol %	0.01				0.0	20	
Lab ID:	LCS013025	11 Lab	oratory Co	ntrol Sample		į	Run: GC789	90_250130A		01/30	/25 14:59
Oxygen			0.62	Mol %	0.01	124	70	130			
Nitrogen			6.14	Mol %	0.01	102	70	130			
Carbon D	ioxide		1.02	Mol %	0.01	103	70	130			
Methane			74.7	Mol %	0.01	100	70	130			
Ethane			5.98	Mol %	0.01	100	70	130			
Propane			5.00	Mol %	0.01	101	70	130			
Isobutane)		1.71	Mol %	0.01	85	70	130			
n-Butane			2.01	Mol %	0.01	100	70	130			
Isopentan	ne		0.99	Mol %	0.01	99	70	130			

0.01

0.01

101

100

70

70

130

130

1.01

0.80

Mol %

Mol %

Qualifiers:

n-Pentane

Hexanes plus

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25011649

Reviewed by: cjones Reviewed Date: 1/29/2025 Carrier name: FedEx NDA Shipping container/cooler in good condition? Yes \[\subseteq \] No \[\text{Not Present } \[\subseteq \] Custody seals intact on all shipping container(s)/cooler(s)? Yes \[\text{No } \text{Not Present } \[\subseteq \] Custody seals intact on all sample bottles? Yes \[\text{No } \text{Not Present } \[\subseteq \] Chain of custody present? Yes \[\subseteq \text{No } \tex	
Shipping container/cooler in good condition? Yes No 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 Not Present No Not Present	
Custody seals intact on all sample bottles? Yes No No Not Present Chain of custody present? Yes V No	
Chain of custody present? Yes No 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 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.)	
Temp Blank received in all shipping container(s)/cooler(s)? Yes ☐ No ✓ Not Applicable ☐	
Container/Temp Blank temperature: 10.0°C No Ice	
Containers requiring zero headspace have no headspace or Yes No No No VOA vials submitted bubble that is <6mm (1/4").	
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

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				
d	Louisiana	05079				
ANAB	Montana	CERT0044				
ANSI Namonal Accimulation Where A C C R E D T E D	Nebraska	NE-OS-13-04				
TESTING LABORATORY	Nevada	NV-C24-00250				
A ACCOR.	North Dakota	R-007				
	National Radon Proficiency	109383-RMP				
700	Oregon	4184				
A DESTON	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				
	Louisiana	05083				
Casper, WY	Montana	CERT0002				
The Acces	Nebraska	NE-OS-08-04				
	Nevada	NV-C24-00245				
Sagarok.	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				

Page 6 of 8 2/13/2025

Eurofins Albuquerque

4901 Hawkins NE

Chain of Custody Record

	(* A *)
o est	
	16.2

eurofins

Environment Testing

Received by OCD: 4/15/2025 10:01:32 AM

Phone: 505-345-3975 Fax: 505-345-4107																
Client Information (Sub Contract Lab)	Sampler: N/A			Lab F Gare	ом: cia, Mic	chell	e				N/A	r Trackin	g No(s):		COC No: 885-3671.1	
ent Contact:	Phone:						@at at	rofinal	10 00m			of Origin: Mexico			Page: Page 1 of 1	
hipping/Receiving	N/A	N/A michelle					ns Requi				New	MEXICO			Job#:	
ompany: nergy Laboratories, Inc.							Oregon			Mexic	0				885-18885-1	
ddress:	Due Date Requeste	rd:							Anah	cic D	eques	tod			Preservation C	odes:
120 South 27th Street,	2/3/2025 TAT Requested (da					M			Analy	SISIN	eques	teu				
ity: Billings	IAT Requested (u.	N/A											1 1			
tate, Zip:							1 1									
/IT, 59101	50 #				4 1											
hone: 06-252-6325(Tel)	PO#: N/A				0											
mail:	WO #:				S S	ø	4									
I/A	N/A				Yes or	Gases										
roject Name: .C Kelly #1E	Project #: 88501698										ALC:		1 1	jognafa		
ite:	SSOW#:				Sample SD (Yes	Z F							1 1			
N/A	N/A				MS I Sa								1 1		N/A	
			Sample	Matrix (w=water,	ltere MS/	SUB (Fixed Gar								1		
		Sample	Type (C=comp,	S=solid, O=waste/oil.	E E	Ę								2		
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)			SUE								Total	Special	Instructions/Note:
		$>\ll$	Preservat	on Code:	XX	(
nfluent 012225 (885-18885-1)	1/22/25	14:10	G	Air		Х	(See Attached In	structions
Hillden 012223 (000-10000-1)	17222	Mountain			H			-					1		37501	11.110
					\mathbf{H}	+			_						Dan	1699
						1					1 1					
					++	t			+				1			
	V															
						T		1							T	
					++	+			_				1			
						4										
									- 1							
		and the same of the				1000	- 10 10					Yan barantar	ine Thin	a amala ahin	ment is fearerded un	dar chain of custody. If
Note: Since laboratory accreditations are subject to change, Eurofins E laboratory does not currently maintain accreditation in the State of Origi																
aboratory does not currently maintain accreditation in the State of Origi accreditation status should be brought to Eurofins Environment Testing	South Central, LLC attention	immediately.	f all requested a	creditations	are curre	ent to	date, le	turn tire	signed (Silani oi	Custody a	ittesting t	o said con	ipilarioo to L	Caronino Environment	rooming country continuing
Possible Hazard Identification					Sa	amp	le Disp	oosal (A fee	may b	e asses	sed if s	amples	are retail	ned longer than	1 month)
Unconfirmed							Return	To Cli	ent	L	Dispo.	sal By L	.ab	Arc	chive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank:	2		S	pecia	al Instru	uctions	/QC R	equire	ments:					
Empty Kit Relinquished by:		Date:			Time	9:	_	_				Method	of Shipme	nt		
Relinquished by:	Date/Time:		10	Company	2 4 4 5		eceived b	by:					Date/T	îme:		Company
	1/27/25	13:											D-1- ~	ima.		Company
Relinquished by:	Date/Time:			Company		Re	eceived b	by:					Date/T	mie:		Company
Relinquished by:	Date/Time:			Company		Re	eceived t	y:	C1		1/	n 2	Date/T	ime:	100	Company
											rep	~	- 01-2	325 12		ELL
Custody Seals Intact: Custody Seal No.:						Co	oóler Ten	nperatur	e(s) °C	and Othe	Remark	s:				
Δ Yes Δ No			38106					and the same								Ver: 10/10/2024







ICOC No: 885-3671

Container Type Tedlar Bag 1L Containers Count

Preservative None

Method Description SUB (Fixed Gases)/ Fixed Gases Subcontract Method Instructions
Sample IDs Method Method

Subcontract Subcontract Sub (f

Method Comments Fixed Gases

Page 8 of 8 2/13/2025

Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONM HENCE
Client: Hilcorp	Standard Rush	ANALYSIS LABO
Athi Mitch Kilongh	Project Name:	www.hallenvironmental.com
Mailing Address:	LC Kelly #1E	4901 Hawkins NE - Albuquerque, NM 87
	Project #:	1 Tel. 505-345-3975 Fax 505-345-4107
Phone #:		Analysis Request
email or Fax#: Whillough @ hilwrp. com	Project Manager:	S SO ₄ (SO)
QA/QC Package:	Sturd Hyde	MW MS
☐ Standard ☐ Level 4 (Full Validation)	Sturd Kyde Duny Buns Sampler: fare Lonn	3's (°) (°) (°) (°) (°) (°) (°) (°) (°) (°)
Accreditation: Az Compliance	Sampler: Hara Lamin	EX / MTBE / TMB's (8021) H:8015D(GRO)DRO / MRO 81 Pesticides/8082 PCB's DB (Method 504.1) NHs by 8310 or 8270SIMS SRA 8 Metals F, Br, NO ₃ , NO ₂ , PO ₄ , SO 60 (VOA) / M / / M 70 (Semi-VOA) tal Coliform (Present/Absent KXal Qu's CO ₂ aux O ₂
□ NELAC □ Other_	On Ice: Yes TNo mois	[[(A A)]] [[(A A)]] [(A A)
□ EDD (Type)	# of Coolers: \ Cooler Temp(including CF): 3.2 \(\frac{1}{2} \) (°C)	MTBE , SD(GR esthod 5 Metals Metals Metals Metals Metals (Qr c C C C C C C C C C C C C C C C C C C
	Cooler Terrip(including CF). 3.2.2.8.7.8.2.7 (C)	Met No
	Container Preservative HEAL No.	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) \(\frac{7}{4} \limits \limi
Date Time Matrix Sample Name	Type and # Type	
Date Time Matrix Sample Name Matrix Sample Name Matrix Sample Name Matrix Sample Name	2-Teldar	
of 2		
3		
		
Date: Time Relinquished by:	Reseived by. Via Date Time	
11245tb)7 Ind. anum	1/400 1 10 14)] 1 1 11 17	Remarks:
NOTATIVE I PROVIDE	Received by: Via:Counter Date Time	
ω ω ω ω	7:45	
\$ 1/H/2 (800) CM	1/25/25	
ir necessary, samples submitted to Hall Environmental may be sub	contracted to other accredited laboratories This serves as notice of thi	s possibility Any sub-contracted data will be clearly notated on the analytical report

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-18885-1

Login Number: 18885 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Greator: Casarrubias, Tracy	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</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 campered with.	True
Samples were received on ice.	True
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
s 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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/12/2025 4:55:09 PM

JOB DESCRIPTION

LC Kelly #1E

JOB NUMBER

885-19078-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Released to Imaging: 4/17/2025 1:37:05 PM

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 2/12/2025 4:55:09 PM

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

Client: Hilcorp Energy
Laboratory Job ID: 885-19078-1
Project/Site: LC Kelly #1E

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	
Client Sample Results	6
QC Sample Results	8
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Subcontract Data	18
Chain of Custody	25
Receipt Checklists	26

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

Glossary

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 Cot

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Hilcorp Energy

Job ID: 885-19078-1

Project: LC Kelly #1E

Job ID: 885-19078-1 Eurofins Albuquerque

Job Narrative 885-19078-1

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 1/30/2025 8:00 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 6.1°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.

GC/MS VOA

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

Eurofins Albuquerque

•

3

4

5

7

_

10

11

| 4

Client Sample Results

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 012925

Date Collected: 01/29/25 14:55 Date Received: 01/30/25 08:00

Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-19078-1

Matrix: Air

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Analyzed Dil Fac Analyte Result Qualifier RL Unit Prepared 250 02/07/25 16:18 ug/L Gasoline Range Organics [C6 -4300 50

C10]

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 50

52 - 172 02/07/25 16:18 4-Bromofluorobenzene (Surr) 99

Method: SW846 8260B - Volatil	e Organic Compounds (GC/MS)
Analyta	Popult Qualifier

Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L		02/07/25 16:18	50
1,1,1-Trichloroethane	ND	5.0	ug/L		02/07/25 16:18	50
1,1,2,2-Tetrachloroethane	ND	10	ug/L		02/07/25 16:18	50
1,1,2-Trichloroethane	ND	5.0	ug/L		02/07/25 16:18	50
1,1-Dichloroethane	ND	5.0	ug/L		02/07/25 16:18	50
1,1-Dichloroethene	ND	5.0	ug/L		02/07/25 16:18	50
1,1-Dichloropropene	ND	5.0	ug/L		02/07/25 16:18	50
1,2,3-Trichlorobenzene	ND	5.0	ug/L		02/07/25 16:18	50
1,2,3-Trichloropropane	ND	10	ug/L		02/07/25 16:18	50
1,2,4-Trichlorobenzene	ND	5.0	ug/L		02/07/25 16:18	50
1,2,4-Trimethylbenzene	ND	5.0	ug/L		02/07/25 16:18	50
1,2-Dibromo-3-Chloropropane	ND	10	ug/L		02/07/25 16:18	50
1,2-Dibromoethane (EDB)	ND	5.0	ug/L		02/07/25 16:18	50
1,2-Dichlorobenzene	ND	5.0	ug/L		02/07/25 16:18	50
1,2-Dichloroethane (EDC)	ND	5.0	ug/L		02/07/25 16:18	50
1,2-Dichloropropane	ND	5.0	ug/L		02/07/25 16:18	50
1,3,5-Trimethylbenzene	ND	5.0	ug/L		02/07/25 16:18	50
1,3-Dichlorobenzene	ND	5.0	ug/L		02/07/25 16:18	50
1,3-Dichloropropane	ND	5.0	ug/L		02/07/25 16:18	50
1,4-Dichlorobenzene	ND	5.0	ug/L		02/07/25 16:18	50
1-Methylnaphthalene	ND	20	ug/L		02/07/25 16:18	50
2,2-Dichloropropane	ND	10	ug/L		02/07/25 16:18	50
2-Butanone	ND	50	ug/L		02/07/25 16:18	50
2-Chlorotoluene	ND	5.0	ug/L		02/07/25 16:18	50
2-Hexanone	ND	50	ug/L		02/07/25 16:18	50
2-Methylnaphthalene	ND	20	ug/L		02/07/25 16:18	50
4-Chlorotoluene	ND	5.0	ug/L		02/07/25 16:18	50
4-Isopropyltoluene	ND	5.0	ug/L		02/07/25 16:18	50
4-Methyl-2-pentanone	ND	50	ug/L		02/07/25 16:18	50
Acetone	ND	50	ug/L		02/07/25 16:18	50
Benzene	20	5.0	ug/L		02/07/25 16:18	50
Bromobenzene	ND	5.0	ug/L		02/07/25 16:18	50
Bromodichloromethane	ND	5.0	ug/L		02/07/25 16:18	50
Dibromochloromethane	ND	5.0	ug/L		02/07/25 16:18	50
Bromoform	ND	5.0	ug/L		02/07/25 16:18	50
Bromomethane	ND	15	ug/L		02/07/25 16:18	50
Carbon disulfide	ND	50	ug/L		02/07/25 16:18	50
Carbon tetrachloride	ND	5.0	ug/L		02/07/25 16:18	50
Chlorobenzene	ND	5.0	ug/L		02/07/25 16:18	50
Chloroethane	ND	10	ug/L		02/07/25 16:18	50
Chloroform	ND	5.0	ug/L		02/07/25 16:18	50

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 012925

Date Collected: 01/29/25 14:55 Date Received: 01/30/25 08:00

Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-19078-1

Matrix: Air

Method: SW846 8260B - Volatile	Organic Compounds (GC/N	IS) (Continued)				
Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Chloromethane	ND ND	15	ug/L		02/07/25 16:18	50
cis-1,2-Dichloroethene	ND	5.0	ug/L		02/07/25 16:18	50
cis-1,3-Dichloropropene	ND	5.0	ug/L		02/07/25 16:18	50
Dibromomethane	ND	5.0	ug/L		02/07/25 16:18	50
Dichlorodifluoromethane	ND	5.0	ug/L		02/07/25 16:18	50
Ethylbenzene	7.2	5.0	ug/L		02/07/25 16:18	50
Hexachlorobutadiene	ND	5.0	ug/L		02/07/25 16:18	50
Isopropylbenzene	ND	5.0	ug/L		02/07/25 16:18	50
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/L		02/07/25 16:18	50
Methylene Chloride	ND	15	ug/L		02/07/25 16:18	50
n-Butylbenzene	ND	15	ug/L		02/07/25 16:18	50
N-Propylbenzene	ND	5.0	ug/L		02/07/25 16:18	50
Naphthalene	ND	10	ug/L		02/07/25 16:18	50
sec-Butylbenzene	ND	5.0	ug/L		02/07/25 16:18	50
Styrene	ND	5.0	ug/L		02/07/25 16:18	50
tert-Butylbenzene	ND	5.0	ug/L		02/07/25 16:18	50
Tetrachloroethene (PCE)	ND	5.0	ug/L		02/07/25 16:18	50
Toluene	68	5.0	ug/L		02/07/25 16:18	50
trans-1,2-Dichloroethene	ND	5.0	ug/L		02/07/25 16:18	50
trans-1,3-Dichloropropene	ND	5.0	ug/L		02/07/25 16:18	50
Trichloroethene (TCE)	ND	5.0	ug/L		02/07/25 16:18	50
Trichlorofluoromethane	ND	5.0	ug/L		02/07/25 16:18	50
Vinyl chloride	ND	5.0	ug/L		02/07/25 16:18	50
Xylenes, Total	71	7.5	ug/L		02/07/25 16:18	50

S	urrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,	2-Dichloroethane-d4 (Surr)	106		70 - 130		02/07/25 16:18	50
To	oluene-d8 (Surr)	98		70 - 130		02/07/25 16:18	50
4	-Bromofluorobenzene (Surr)	99		70 - 130		02/07/25 16:18	50
D	ibromofluoromethane (Surr)	104		70 - 130		02/07/25 16:18	50

Job ID: 885-19078-1 Client: Hilcorp Energy

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-20524/5 Client Sample ID: Method Blank Matrix: Air Prep Type: Total/NA

Analysis Batch: 20524

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics [C6 - C10] ND 5.0 ug/L 02/07/25 14:54

MB MB

Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 52 - 172 4-Bromofluorobenzene (Surr) 98 02/07/25 14:54

Lab Sample ID: LCS 885-20524/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Air

Analysis Batch: 20524

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 500 557 ug/L 111 70 - 130 Gasoline Range Organics [C6 -

C10]

LCS LCS %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 52 - 172 99

Lab Sample ID: 885-19078-1 DU Client Sample ID: Influent 012925 Prep Type: Total/NA

Matrix: Air

Analysis Batch: 20524

Sample Sample DU DU **RPD** Result Qualifier Result Qualifier RPD Limit Analyte Unit 4300 4690 Gasoline Range Organics [C6 ug/L 20

C10]

DU DU %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 100 52 - 172

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

Analysis Batch: 20523

Lab Sample ID: MB 885-20523/5 Client Sample ID: Method Blank Matrix: Air Prep Type: Total/NA

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			02/07/25 14:54	1
1,1,1-Trichloroethane	ND		0.10	ug/L			02/07/25 14:54	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			02/07/25 14:54	1
1,1,2-Trichloroethane	ND		0.10	ug/L			02/07/25 14:54	1
1,1-Dichloroethane	ND		0.10	ug/L			02/07/25 14:54	1
1,1-Dichloroethene	ND		0.10	ug/L			02/07/25 14:54	1
1,1-Dichloropropene	ND		0.10	ug/L			02/07/25 14:54	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			02/07/25 14:54	1
1,2,3-Trichloropropane	ND		0.20	ug/L			02/07/25 14:54	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			02/07/25 14:54	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			02/07/25 14:54	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			02/07/25 14:54	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			02/07/25 14:54	1
1,2-Dichlorobenzene	ND		0.10	ug/L			02/07/25 14:54	1

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-20523/5

Matrix: Air

Client Sample ID: Method Blank

Prep Type: Total/NA

		Analyzed Dil 02/07/25 14:54 02/07/25 14:54 02/07/25 14:54 02/07/25 14:54 02/07/25 14:54 02/07/25 14:54 02/07/25 14:54	1
g/L	- - - - -	02/07/25 14:54 02/07/25 14:54 02/07/25 14:54 02/07/25 14:54 02/07/25 14:54	1 1 1
g/L	- - - - -	02/07/25 14:54 02/07/25 14:54 02/07/25 14:54 02/07/25 14:54	
g/L	- - - -	02/07/25 14:54 02/07/25 14:54 02/07/25 14:54	1
ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	- - - -	02/07/25 14:54 02/07/25 14:54	
g/L	- - -	02/07/25 14:54	1
ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	- - -		1
ug/L ug/L ug/L ug/L ug/L ug/L		02/07/25 14:54	1
ug/L ug/L ug/L ug/L ug/L ug/L ug/L			1
0 ug/L 0 ug/L 0 ug/L 0 ug/L		02/07/25 14:54	1
) ug/L) ug/L) ug/L	_	02/07/25 14:54	1
ug/L		02/07/25 14:54	1
ug/L		02/07/25 14:54	1
•		02/07/25 14:54	1
) ug/L		02/07/25 14:54	1
) ug/L		02/07/25 14:54	1
) ug/L		02/07/25 14:54	1
ug/L		02/07/25 14:54	1
ug/L ug/L		02/07/25 14:54	<u>'</u> 1
ug/L ug/L		02/07/25 14:54	1
ug/L ug/L		02/07/25 14:54	1
· 		02/07/25 14:54	
)		02/07/25 14:54	1
· ·			
ug/L		02/07/25 14:54	1
ug/L		02/07/25 14:54	1
ug/L		02/07/25 14:54	1
) ug/L		02/07/25 14:54	1
ug/L		02/07/25 14:54	1
ug/L		02/07/25 14:54	1
) ug/L		02/07/25 14:54	1
) ug/L		02/07/25 14:54	1
) ug/L		02/07/25 14:54	1
) ug/L	<u>.</u>	02/07/25 14:54	1
) ug/L		02/07/25 14:54	1
) ug/L	-	02/07/25 14:54	1
) ug/L	_	02/07/25 14:54	1
) ug/L	-	02/07/25 14:54	1
) ug/L	-	02/07/25 14:54	1
) ug/L	<u>.</u>	02/07/25 14:54	1
) ug/L	-	02/07/25 14:54	1
) ug/L	-	02/07/25 14:54	1
ug/L	-	02/07/25 14:54	1
	-	02/07/25 14:54	1
) ug/L	-	02/07/25 14:54	1
ug/L ug/L	-	02/07/25 14:54	1
	<u>.</u>	02/07/25 14:54	1
ug/L	-	02/07/25 14:54	1
ug/L ug/L ug/L	-	02/07/25 14:54	1
0 ug/L 0 ug/L 0 ug/L 0 ug/L		02/07/25 14:54	1
ug/L ug/L ug/L ug/L ug/L ug/L	-	02/07/25 14:54	1
ug/L ug/L ug/L ug/L ug/L ug/L ug/L			1
	0 ug/L 0 ug/L	0 ug/L 0 ug/L 0 ug/L 0 ug/L	0 ug/L 02/07/25 14:54 0 ug/L 02/07/25 14:54 0 ug/L 02/07/25 14:54

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

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

MR MR

Lab Sample ID: MB 885-20523/5 Matrix: Air

Analysis Batch: 20523

Client Sample ID: Method Blank

Prep Type: Total/NA

ı									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Vinyl chloride	ND		0.10	ug/L			02/07/25 14:54	1
	Xylenes, Total	ND		0.15	ug/L			02/07/25 14:54	1

MB MB Qualifier Limits Surrogate %Recovery Prepared Analyzed Dil Fac 02/07/25 14:54 1,2-Dichloroethane-d4 (Surr) 109 70 - 130 Toluene-d8 (Surr) 97 70 - 130 02/07/25 14:54 4-Bromofluorobenzene (Surr) 70 - 130 02/07/25 14:54 98 Dibromofluoromethane (Surr) 106 70 - 130 02/07/25 14:54

Lab Sample ID: LCS 885-20523/4

Matrix: Air

Analysis Batch: 20523

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	20.1	21.0	-	ug/L		104	70 - 130	
Benzene	20.1	23.1		ug/L		115	70 - 130	
Chlorobenzene	20.1	20.3		ug/L		101	70 - 130	
Toluene	20.2	20.1		ug/L		100	70 - 130	
Trichloroethene (TCE)	20.2	19.7		ug/L		98	70 - 130	

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1,2-Dichloroethane-d4 (Surr) 106 Toluene-d8 (Surr) 95 70 - 130 4-Bromofluorobenzene (Surr) 101 70 - 130 Dibromofluoromethane (Surr) 104 70 - 130

Lab Sample ID: 885-19078-1 DU

Matrix: Air

Analysis Batch: 20523

Client Sample ID: Influent 012925	
Prep Type: Total/NA	

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

RPD

QC Sample Results

Client: Hilcorp Energy Job ID: 885-19078-1

DU DU

Project/Site: LC Kelly #1E

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

Sample Sample

ND

ND

71

Lab Sample ID: 885-19078-1 DU Matrix: Air

Analysis Batch: 20523

Trichlorofluoromethane

Released to Imaging: 4/17/2025 1:37:05 PM

Vinyl chloride

Xylenes, Total

Client Sample ID: Influent 012925

it dumple ib. illiacit dizazo
Prep Type: Total/NA

	Sample Sample			DO DO				KPD	
Analyte		Qualifier		Qualifier	Unit	<u>D</u>	RPD	Limit	
1,3-Dichlorobenzene	ND		ND		ug/L		NC	20	
1,3-Dichloropropane	ND		ND		ug/L		NC	20	ı
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	ı
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	20		21.2		ug/L		6	20	
Bromobenzene	ND		ND		ug/L		NC	20	
Bromodichloromethane	ND		ND		ug/L		NC	20	
Dibromochloromethane	ND		ND		ug/L		NC	20	
Bromoform	ND		ND		ug/L		NC	20	
Bromomethane	ND		ND		ug/L		NC	20	
Carbon disulfide	ND		ND		ug/L		NC	20	
Carbon tetrachloride	ND		ND		ug/L		NC	20	
Chlorobenzene	ND		ND		ug/L		NC	20	
Chloroethane	ND		ND		ug/L		NC	20	
Chloroform	ND		ND		ug/L		NC	20	
Chloromethane	ND		ND		ug/L		NC	20	
cis-1,2-Dichloroethene	ND		ND		ug/L		NC	20	
cis-1,3-Dichloropropene	ND		ND		ug/L		NC	20	
Dibromomethane	ND		ND		ug/L		NC	20	
Dichlorodifluoromethane	ND		ND		ug/L		NC	20	
Ethylbenzene	7.2		7.71		ug/L		7	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	68		73.9		ug/L		9	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	
	140		ND		~g, L		140	20	

Eurofins Albuquerque

NC

NC

8

ND

ND

76.9

ug/L

ug/L

ug/L

20

20

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: 885-19078-1 DU Client Sample ID: Influent 012925 Matrix: Air

Prep Type: Total/NA

Analysis Batch: 20523

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 130
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130

QC Association Summary

Client: Hilcorp Energy

Job ID: 885-19078-1

Project/Site: LC Kelly #1E

GC/MS VOA

Analysis Batch: 20523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Pre	ep Batch
885-19078-1	Influent 012925	Total/NA	Air	8260B	
MB 885-20523/5	Method Blank	Total/NA	Air	8260B	
LCS 885-20523/4	Lab Control Sample	Total/NA	Air	8260B	
885-19078-1 DU	Influent 012925	Total/NA	Air	8260B	

Analysis Batch: 20524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19078-1	Influent 012925	Total/NA	Air	8015M/D	
MB 885-20524/5	Method Blank	Total/NA	Air	8015M/D	
LCS 885-20524/4	Lab Control Sample	Total/NA	Air	8015M/D	
885-19078-1 DU	Influent 012925	Total/NA	Air	8015M/D	

7

9

10

11

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 012925 Lab Sample ID: 885-19078-1

Date Collected: 01/29/25 14:55

Date Received: 01/30/25 08:00

Matrix: Air

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015M/D		50	20524	CM	EET ALB	02/07/25 16:18
Total/NA	Analysis	8260B		50	20523	CM	EET ALB	02/07/25 16:18

Laboratory References:

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

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

Eurofins Albuquerque

3

5

6

R

9

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque

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

uthority	Progra	ım	Identification Number	Expiration Date
lew Mexico	State		NM9425, NM0901	02-26-25
	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This lis	st may include analy
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	ane
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				
8260B 8260B		Air Air	cis-1,3-Dichloropropene Dibromochloromethane	

Eurofins Albuquerque

3

4

8

9

11

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

thority	Progra	am	Identification Number	Expiration Date
• .	•	t the laboratory is not certif	ied by the governing authority. This lis	st may include analyte
for which the agency do	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
8260B		Air	Dibromomethane	
8260B		Air	Dichlorodifluoromethane	
8260B		Air	Ethylbenzene	
8260B		Air	Hexachlorobutadiene	
8260B		Air	Isopropylbenzene	
8260B		Air	Methylene Chloride	
8260B		Air	Methyl-tert-butyl Ether (M	TBE)
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	
egon	NELAI	o	NM100001	02-25-25

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

Client: Hilcorp Energy Job ID: 885-19078-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

ority	Progra	am	Identification Number	Expiration Date
	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This list	may include analyte
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 (MT	BE)
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	

Eurofins Albuquerque

2

3

4

6

8

46

11

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

ANALYTICAL SUMMARY REPORT

February 06, 2025

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

Work Order: B25011921 Quote ID: B15626

Project Name: 88501698, LC Kelly #1E

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 1/31/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Date	Matrix	Test
B25011921-001	Influent 012925 (885- 19078-1)	01/29/25 14:55 01/31/25	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.

2

_

5

__

0

0

9

10

11

Report Date: 02/06/25

Matrix: Air

Collection Date: 01/29/25 14:55 **DateReceived:** 01/31/25

_

3

1

6

10

12

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Hall Environmental

 Project:
 88501698, LC Kelly #1E

 Lab ID:
 B25011921-001

Client Sample ID: Influent 012925 (885-19078-1)

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS F	EPORT						
Oxygen	20.81	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
Nitrogen	77.93	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
Carbon Dioxide	1.21	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
sopentane	<0.01	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
Hexanes plus	0.05	Mol %		0.01		GPA 2261-13	02/04/25 09:51 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	02/04/25 09:51 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	02/04/25 09:51 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	02/04/25 09:51 / jrj
sopentane	< 0.001	gpm		0.001		GPA 2261-13	02/04/25 09:51 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	02/04/25 09:51 / jrj
Hexanes plus	0.021	gpm		0.001		GPA 2261-13	02/04/25 09:51 / jrj
GPM Total	0.021	gpm		0.001		GPA 2261-13	02/04/25 09:51 / jrj
GPM Pentanes plus	0.021	gpm		0.001		GPA 2261-13	02/04/25 09:51 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	2			1		GPA 2261-13	02/04/25 09:51 / jrj
Net BTU per cu ft @ std cond. (LHV)	2			1		GPA 2261-13	02/04/25 09:51 / jrj
Pseudo-critical Pressure, psia	549			1		GPA 2261-13	02/04/25 09:51 / jrj
Pseudo-critical Temperature, deg R	242			1		GPA 2261-13	02/04/25 09:51 / jrj
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	02/04/25 09:51 / jrj
Air, %	95.08			0.01		GPA 2261-13	02/04/25 09:51 / jrj

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.

- The analysis was not corrected for air.

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

02/04/25 09:51 / jrj

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25011921 **Report Date:** 02/06/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-13									Batch:	R436331
Lab ID:	B25011921-001ADUP	12 Sar	nple Duplic	ate			Run: GC78	90_250204A		02/04/	25 10:40
Oxygen			21.1	Mol %	0.01				1.5	20	
Nitrogen			77.6	Mol %	0.01				0.4	20	
Carbon D	ioxide		1.21	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	
Isopentan	е		<0.01	Mol %	0.01					20	
n-Pentane	e		<0.01	Mol %	0.01					20	
Hexanes _I	plus		0.05	Mol %	0.01				0.0	20	
Lab ID:	LCS020425	11 Lab	oratory Co	ntrol Sample	!		Run: GC789	90_250204A		02/04/	25 12:27
Oxygen			0.62	Mol %	0.01	124	70	130			
Nitrogen			6.03	Mol %	0.01	100	70	130			
Carbon D	ioxide		0.99	Mol %	0.01	100	70	130			
Methane			74.8	Mol %	0.01	100	70	130			
Ethane			6.05	Mol %	0.01	101	70	130			
Propane			5.03	Mol %	0.01	102	70	130			
Isobutane			1.73	Mol %	0.01	86	70	130			
n-Butane			2.00	Mol %	0.01	100	70	130			
Isopentan	е		0.99	Mol %	0.01	99	70	130			
n-Pentane	e		1.00	Mol %	0.01	100	70	130			
Hexanes _I	plus		0.80	Mol %	0.01	100	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

B25011921

Work Order Receipt Checklist

Hall Environmental

Login completed by:	Crystal M. Jones		Date R	Received: 1/31/2025
Reviewed by:	dharris		Rec	eived by: KLP
Reviewed Date:	2/3/2025		Carri	er name: FedEx NDA
Shipping container/cooler in	good condition?	Yes √	No 🗌	Not Present
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes	No 🗌	Not Present ✓
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓
Chain of custody present?		Yes ✓	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes 🗸	No 🗌	
Chain of custody agrees with	sample labels?	Yes 🗸	No 🗌	
Samples in proper container/	bottle?	Yes ✓	No 🗌	
Sample containers intact?		Yes ✓	No 🗌	
Sufficient sample volume for	indicated test?	Yes √	No 🗌	
All samples received within h (Exclude analyses that are co such as pH, DO, Res CI, Sul	onsidered field parameters	Yes 🔽	No 🗌	
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes	No 🗸	Not Applicable
Container/Temp Blank tempe	erature:	9.6°C No Ice		
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted
Water - pH acceptable upon	receipt?	Yes	No 🗌	Not Applicable

Standard Reporting Procedures:

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

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

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

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

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

Contact and Corrective Action Comments:

None

	Agency	Number				
	Alaska	17-023				
	California	3087				
	Colorado	MT00005				
	Department of Defense (DoD)/ISO17025	ADE-2588				
Billings, MT	Florida (Primary NELAP)	E87668				
	Idaho	MT00005				
d	Louisiana	05079				
ANAB	Montana	CERT0044				
ARSI Namonsi Accimination Where	Nebraska	NE-OS-13-04				
TESTING LABORATORY	Nevada	NV-C24-00250				
est con-	North Dakota	R-007				
	National Radon Proficiency	109383-RMP				
700	Oregon	4184				
AGRATOR.	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				
	Louisiana	05083				
Casper, WY	Montana	CERT0002				
Sto accesor	Nebraska	NE-OS-08-04				
	Nevada	NV-C24-00245				
SARORATOR'S	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				

Laboratory Certifications and Accreditations

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

P330-20-00090

USDA Soil Permit

Page 149 of 255

Eurofins Albuquerque

4901 Hawkins NE

Albuquerque, NM 87109

Chain of Custody Record



eurofins

Environment Testing

Received by OCD: 4/15/2025 10:01:32 AM

Phone: 505-345-3975 Fax: 505-345-4107													•								
Client Information (Sub Contract Lab)	Sampler: N/A				PM: rrcia, Michelle					Carrier Tracking No(s): N/A					COC No: 885-3731.1						
Client Contact: Shipping/Receiving	Phone: N/A										State of Origin: New Mexico				_{Page:} Page 1 of	1					
Company: Energy Laboratories, Inc.								Required egon; S			exico						Job #: 885-19078	8-1			
Address: 1120 South 27th Street,	Due Date Requeste 2/6/2025	ed:							An	alvsis	s Re	queste	ed				Preservati	on Cod	les:		
City: Billings	TAT Requested (da	ays): N/A			Ħ	1	1														
State, Zip: MT, 59101		147																			
Phone: 406-252-6325(Tel)	PO #: N/A				٦		П														
Email: N/A	WO #: N/A				or N	9	ses									yo.					
Project Name: LC Kelly #1E	Project #: 88501698				e (Yes	es or No)	red Gases									ntaine					
Site: N/A	SSOW#: N/A				Samp	ISD (Yes	Gases)/ Fixed									DESCRIPTION OF	Other: N/A				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=A	Field Filt	Perform MS/M	SUB (Fixed Gas									Total Number		cial In	structio	ns/Note:	
		14:55	Preserva	ation Code:	X	X										X					
Influent 012925 (885-19078-1)	1/29/25	14:55 Mountain	G	Air	\perp		Х								_		See Attach	234 701451	en a de		
					Ш												B250	2110	121		
					Ш																
					+		-	4					4								
					+	4	_			_	-		4		_						
					+		-						4	\perp	_						
					+		+	_													
					+		4				+		+								
Note: Since laboratory accreditations are subject to change, Eurofins Env laboratory does not currently maintain accreditation in the State of Origin accreditation status should be brought to Eurofins Environment Testing S	listed above for analysis/tests	s/matrix being	analyzed, the	samples mus	t be shi	ipped I	back	to the Eu	rofins E	nvironme	ent Tes	ing South	Centr	al, LLC la	boratory	or othe	rinstructions	s will be	provided.	Any chang	ges to
Possible Hazard Identification Unconfirmed						Sam		Dispose turn To				ssesse Disposal				tained Archiv	i longer ti e For_	han 1 i	month) Month	าร	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	able Rank:	2			Spec	ial Ir	nstructio	ns/QC	Requi	ireme	nts:									
Empty Kit Relinquished by:		Date:			Tim	ne:						M	ethod o	f Shipme	nt:						
Relinquished by: The Mollotter	Date/Time:	125	1335	Company				/ed by:						Date/1	4.8				Company		
Relinquished				Company				ed by:						Date/T					Company	У	
Relinquished by:	Date/Time:			Company		7	WIP	le P	but	1	fer.	le		Date/1	ime: 31-25	5	/	1105	Company	II	
Custody Seals Intact: Custody Seal No.:						c	goler	Tempera	iture(s)	°C and C	Other R	emarks:		di = - (l)	191					Le dipendique	

Ver: 10/10/2024







Method Comments Fixed Gases

Method Description SUB (Fixed Gases)/ Fixed Gases

Subcontract Method Instructions

Container Type Tedlar Bag 1L

Count

Containers

Method SUBCONTRACT

Sample IDs

Preservative None 1

2

3

4

5

_

R

0

10

10

11

15

Page 7 of 7 2/12/2025

ICOC No: 885-3731

		OCL
2	;): 4/1
		5/20
	Г	25 I
		0.01
		32 A
		N
	-	
		Pa
		ge

Chain-of-Custody Record Client: Hillorp Attn: Mitch Killagh Mailing Address: Phone #:	Turn-Around Time: Standard Rush Project Name: LC KCILY *IE Project #:	HALL ENVIRONME ANALYSIS LABOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request
email or Fax#: Mkilloup.com QA/QC Package: □ Standard □ Level 4 (Full Validation) Accreditation: □ Az Compliance	Project Manager: Stuat Hyde Sampler: AL	E / TMB's (8021) RO / DRO / MRO) ss/8082 PCB's 504.1) or 8270SIMS Is Lull Ust OA) (Present/Absent) Co, and Or.
□ NELAC □ Other □ EDD (Type) □ Date Time Matrix Sample Name	On Ice: ☐ Yes W No # of Coolers: Cooler Temp(including CF): U Z-O.1=U.1 (°C) Container Preservative HEAL No. Type and # Type	BTEX / MTBE / TMB's (8021) TPH:8015D(@RO / 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) Full U51 8270 (Semi-VOA) Total Coliform (Present/Absent) Fixed Ga5 CO, 804 O ₂
Date Time Matrix Sample Name 1/29/14 1455 AIR Influent 012925	2-Telder	X · X X
Date: Time: Relinquished by: 12925	Received by: Via: Output Date Time 8:00	Remarks: Shyde C d burns c possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-19078-1

Login Number: 19078 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Creator: Casarrubias, Tracy		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s 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	

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/19/2025 2:23:40 PM

JOB DESCRIPTION

LC Kelly #1E

JOB NUMBER

885-19537-1

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 2/19/2025 2:23:40 PM

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

Page 2 of 26 2/19/2025

Released to Imaging: 4/17/2025 1:37:05 PM

Client: Hilcorp Energy
Laboratory Job ID: 885-19537-1
Project/Site: LC Kelly #1E

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Subcontract Data	18
Chain of Custody	25
Receipt Checklists	26

5

9

10

11

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

Glossary

LOQ

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)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Limit of Quantitation (DoD/DOE)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive Quality Control QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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: 885-19537-1

Project: LC Kelly #1E

Job ID: 885-19537-1 Eurofins Albuquerque

Job Narrative 885-19537-1

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 2/7/2025 9:59 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

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.

GC/MS VOA

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

Eurofins Albuquerque

5

4

J

7

9

10

4 6

Client Sample Results

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics) Result Qualifier

2500

Client: Hilcorp Energy Job ID: 885-19537-1

RL

250

Unit

ug/L

Project/Site: LC Kelly #1E

Analyte

C10]

Client Sample ID: Influent 020525

Date Collected: 02/05/25 13:20 Date Received: 02/07/25 09:59

Gasoline Range Organics [C6 -

Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-19537-1

Matrix: Air

Dil Fac Analyzed 02/17/25 16:41 50

Prepared

Surrogate	%Recovery	Qualifier	Limits		_	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		52 - 172				02/17/25 16:41	50
Method: SW846 8260B - Volati	le Organic Comp	ounds (GC	/MS)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	ug/L		· ·	02/17/25 16:41	50
1,1,1-Trichloroethane	ND		5.0	ug/L			02/17/25 16:41	50
1,1,2,2-Tetrachloroethane	ND		10	ug/L			02/17/25 16:41	50
1,1,2-Trichloroethane	ND		5.0	ug/L			02/17/25 16:41	50
1,1-Dichloroethane	ND		5.0	ug/L			02/17/25 16:41	50
1,1-Dichloroethene	ND		5.0	ug/L			02/17/25 16:41	50
1,1-Dichloropropene	ND		5.0	ug/L			02/17/25 16:41	50
1,2,3-Trichlorobenzene	ND		5.0	ug/L			02/17/25 16:41	50
1,2,3-Trichloropropane	ND		10	ug/L			02/17/25 16:41	50
1,2,4-Trichlorobenzene	ND		5.0	ug/L			02/17/25 16:41	50
1,2,4-Trimethylbenzene	ND		5.0	ug/L			02/17/25 16:41	50
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			02/17/25 16:41	50
1,2-Dibromoethane (EDB)	ND		5.0	ug/L			02/17/25 16:41	50
1,2-Dichlorobenzene	ND		5.0	ug/L			02/17/25 16:41	50
1,2-Dichloroethane (EDC)	ND		5.0	ug/L			02/17/25 16:41	50
1,2-Dichloropropane	ND		5.0	ug/L			02/17/25 16:41	50
1,3,5-Trimethylbenzene	ND		5.0	ug/L			02/17/25 16:41	50
1,3-Dichlorobenzene	ND		5.0	ug/L			02/17/25 16:41	50
1,3-Dichloropropane	ND		5.0	ug/L			02/17/25 16:41	50
1,4-Dichlorobenzene	ND		5.0	ug/L			02/17/25 16:41	50
1-Methylnaphthalene	ND		20	ug/L			02/17/25 16:41	50
2,2-Dichloropropane	ND		10	ug/L			02/17/25 16:41	50
2-Butanone	ND		50	ug/L			02/17/25 16:41	50
2-Chlorotoluene	ND		5.0	ug/L			02/17/25 16:41	50
2-Hexanone	ND		50	ug/L			02/17/25 16:41	50
2-Methylnaphthalene	ND		20	ug/L			02/17/25 16:41	50
4-Chlorotoluene	ND		5.0	ug/L			02/17/25 16:41	50
4-Isopropyltoluene	ND		5.0	ug/L			02/17/25 16:41	50
4-Methyl-2-pentanone	ND		50	ug/L			02/17/25 16:41	50
Acetone	ND		50	ug/L			02/17/25 16:41	50
Benzene	8.6		5.0	ug/L			02/17/25 16:41	50
Bromobenzene	ND		5.0	ug/L			02/17/25 16:41	50
Bromodichloromethane	ND		5.0	ug/L			02/17/25 16:41	50
Dibromochloromethane	ND		5.0	ug/L			02/17/25 16:41	50
Bromoform	ND		5.0	ug/L			02/17/25 16:41	50
Bromomethane	ND		15	ug/L			02/17/25 16:41	50
Carbon disulfide	ND		50	ug/L			02/17/25 16:41	50
Carbon tetrachloride	ND		5.0	ug/L			02/17/25 16:41	50
Chlorobenzene	ND		5.0	ug/L			02/17/25 16:41	50
Chloroethane	ND		10	ug/L			02/17/25 16:41	50
Chloroform	ND		5.0	ug/L			02/17/25 16:41	50

Eurofins Albuquerque

Client Sample Results

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 020525

Date Collected: 02/05/25 13:20 Date Received: 02/07/25 09:59

Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-19537-1

Matrix: Air

5

Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Chloromethane	ND ND	15	ug/L		02/17/25 16:41	50
cis-1,2-Dichloroethene	ND	5.0	ug/L		02/17/25 16:41	50
cis-1,3-Dichloropropene	ND	5.0	ug/L		02/17/25 16:41	50
Dibromomethane	ND	5.0	ug/L		02/17/25 16:41	50
Dichlorodifluoromethane	ND	5.0	ug/L		02/17/25 16:41	50
Ethylbenzene	5.0	5.0	ug/L		02/17/25 16:41	50
Hexachlorobutadiene	ND	5.0	ug/L		02/17/25 16:41	50
Isopropylbenzene	ND	5.0	ug/L		02/17/25 16:41	50
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/L		02/17/25 16:41	50
Methylene Chloride	ND	15	ug/L		02/17/25 16:41	50
n-Butylbenzene	ND	15	ug/L		02/17/25 16:41	50
N-Propylbenzene	ND	5.0	ug/L		02/17/25 16:41	50
Naphthalene	ND	10	ug/L		02/17/25 16:41	50
sec-Butylbenzene	ND	5.0	ug/L		02/17/25 16:41	50
Styrene	ND	5.0	ug/L		02/17/25 16:41	50
tert-Butylbenzene	ND	5.0	ug/L		02/17/25 16:41	50
Tetrachloroethene (PCE)	ND	5.0	ug/L		02/17/25 16:41	50
Toluene	51	5.0	ug/L		02/17/25 16:41	50
trans-1,2-Dichloroethene	ND	5.0	ug/L		02/17/25 16:41	50
trans-1,3-Dichloropropene	ND	5.0	ug/L		02/17/25 16:41	50
Trichloroethene (TCE)	ND	5.0	ug/L		02/17/25 16:41	50
Trichlorofluoromethane	ND	5.0	ug/L		02/17/25 16:41	50
Vinyl chloride	ND	5.0	ug/L		02/17/25 16:41	50
Xylenes, Total	49	7.5	ug/L		02/17/25 16:41	50

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100	70 - 130		02/17/25 16:41	50
Toluene-d8 (Surr)	104	70 - 130		02/17/25 16:41	50
4-Bromofluorobenzene (Surr)	99	70 - 130		02/17/25 16:41	50
Dibromofluoromethane (Surr)	103	70 - 130		02/17/25 16:41	50

Lab Sample ID: MB 885-20915/5

QC Sample Results

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

Analysis Batch: 20915

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

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics [C6 - C10] ND 5.0 ug/L 02/17/25 15:53

MB MB

LCS LCS

Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 52 - 172 4-Bromofluorobenzene (Surr) 95 02/17/25 15:53

Lab Sample ID: LCS 885-20915/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Air

Matrix: Air

Analysis Batch: 20915

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 500 482 ug/L 96 70 - 130 Gasoline Range Organics [C6 -

C10]

%Recovery Qualifier Surrogate

Limits 4-Bromofluorobenzene (Surr) 103 52 - 172

Lab Sample ID: 885-19537-1 DU Client Sample ID: Influent 020525 Prep Type: Total/NA

Matrix: Air

Analysis Batch: 20915

Sample Sample DU DU **RPD** Result Qualifier Result Qualifier RPD Limit Analyte Unit 2500 Gasoline Range Organics [C6 -2400 ug/L 20

C10]

DU DU Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 96 52 - 172

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

Lab Sample ID: MB 885-20919/5 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Air

Analysis Batch: 20919

Released to Imaging: 4/17/2025 1:37:05 PM

7 maryoro Datom 200 ro								
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			02/17/25 15:53	1
1,1,1-Trichloroethane	ND		0.10	ug/L			02/17/25 15:53	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			02/17/25 15:53	1
1,1,2-Trichloroethane	ND		0.10	ug/L			02/17/25 15:53	1
1,1-Dichloroethane	ND		0.10	ug/L			02/17/25 15:53	1
1,1-Dichloroethene	ND		0.10	ug/L			02/17/25 15:53	1
1,1-Dichloropropene	ND		0.10	ug/L			02/17/25 15:53	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			02/17/25 15:53	1
1,2,3-Trichloropropane	ND		0.20	ug/L			02/17/25 15:53	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			02/17/25 15:53	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			02/17/25 15:53	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			02/17/25 15:53	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			02/17/25 15:53	1
1,2-Dichlorobenzene	ND		0.10	ug/L			02/17/25 15:53	1

Eurofins Albuquerque

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-20919/5

Matrix: Air

Analysis Batch: 20919

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fa
1,2-Dichloroethane (EDC)	ND Result Qualifier	0.10	ug/L	D Flepaled	02/17/25 15:53	DII Fa
1,2-Dichloropropane	ND ND	0.10	ug/L ug/L		02/17/25 15:53	
1,3,5-Trimethylbenzene	ND	0.10	ug/L		02/17/25 15:53	
1.3-Dichlorobenzene	ND	0.10	ug/L		02/17/25 15:53	
		0.10			02/17/25 15:53	
1,3-Dichloropropane	ND ND		ug/L			
1,4-Dichlorobenzene	ND	0.10	ug/L		02/17/25 15:53	
1-Methylnaphthalene	ND ND	0.40	ug/L		02/17/25 15:53	
2,2-Dichloropropane	ND	0.20	ug/L		02/17/25 15:53	
2-Butanone	ND	1.0	ug/L		02/17/25 15:53	
2-Chlorotoluene	ND ND	0.10	ug/L		02/17/25 15:53	
2-Hexanone	ND	1.0	ug/L		02/17/25 15:53	
2-Methylnaphthalene	ND	0.40	ug/L		02/17/25 15:53	
4-Chlorotoluene	ND	0.10	ug/L		02/17/25 15:53	
4-Isopropyltoluene	ND	0.10	ug/L		02/17/25 15:53	
4-Methyl-2-pentanone	ND	1.0	ug/L		02/17/25 15:53	
Acetone	ND	1.0	ug/L		02/17/25 15:53	
Benzene	ND	0.10	ug/L		02/17/25 15:53	
Bromobenzene	ND	0.10	ug/L		02/17/25 15:53	
Bromodichloromethane	ND	0.10	ug/L		02/17/25 15:53	
Dibromochloromethane	ND	0.10	ug/L		02/17/25 15:53	
Bromoform	ND	0.10	ug/L		02/17/25 15:53	
Bromomethane	ND	0.30	ug/L		02/17/25 15:53	
Carbon disulfide	ND	1.0	ug/L		02/17/25 15:53	
Carbon tetrachloride	ND	0.10	ug/L		02/17/25 15:53	
Chlorobenzene	ND	0.10	ug/L		02/17/25 15:53	
Chloroethane	ND	0.20	ug/L		02/17/25 15:53	
Chloroform	ND	0.10	ug/L		02/17/25 15:53	
Chloromethane	ND	0.30	ug/L		02/17/25 15:53	
cis-1,2-Dichloroethene	ND	0.10	ug/L		02/17/25 15:53	
cis-1,3-Dichloropropene	ND	0.10	ug/L		02/17/25 15:53	
Dibromomethane	ND	0.10	ug/L		02/17/25 15:53	
Dichlorodifluoromethane	ND	0.10	ug/L		02/17/25 15:53	
Ethylbenzene	ND	0.10	ug/L		02/17/25 15:53	
Hexachlorobutadiene	ND	0.10	ug/L		02/17/25 15:53	
Isopropylbenzene	ND	0.10	ug/L		02/17/25 15:53	
Methyl-tert-butyl Ether (MTBE)	ND	0.10	ug/L		02/17/25 15:53	
Methylene Chloride	ND	0.30	ug/L		02/17/25 15:53	
n-Butylbenzene	ND	0.30	ug/L		02/17/25 15:53	
N-Propylbenzene	ND	0.10	ug/L		02/17/25 15:53	
Naphthalene	ND	0.20	ug/L		02/17/25 15:53	
sec-Butylbenzene	ND	0.10	ug/L		02/17/25 15:53	
Styrene	ND	0.10	ug/L		02/17/25 15:53	
tert-Butylbenzene	ND	0.10	ug/L		02/17/25 15:53	
Tetrachloroethene (PCE)	ND	0.10	ug/L		02/17/25 15:53	
Toluene	ND	0.10	ug/L		02/17/25 15:53	
trans-1,2-Dichloroethene	ND	0.10	ug/L		02/17/25 15:53	
trans-1,3-Dichloropropene	ND	0.10	ug/L		02/17/25 15:53	
Trichloroethene (TCE)	ND	0.10	ug/L		02/17/25 15:53	
Trichlorofluoromethane	ND	0.10	ug/L		02/17/25 15:53	
Thomas office final C	IAD	0.10	ug/L		02/11/20 10.00	

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

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

MR MR

Lab Sample ID: MB 885-20919/5 Matrix: Air

Analysis Batch: 20919

Client Sample ID: Method Blank

Prep Type: Total/NA

	1110	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.10	ug/L			02/17/25 15:53	1
Xylenes, Total	ND		0.15	ug/L			02/17/25 15:53	1
Xyle	enes, Total	enes, Total ND	enes, Total ND	enes, Total ND 0.15	enes, Total ND 0.15 ug/L	enes, Total ND 0.15 ug/L	enes, Total ND 0.15 ug/L	nes, Total ND 0.15 ug/L 02/17/25 15:53

MB MB %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 02/17/25 15:53 1,2-Dichloroethane-d4 (Surr) 104 70 - 130 Toluene-d8 (Surr) 97 70 - 130 02/17/25 15:53 4-Bromofluorobenzene (Surr) 70 - 130 02/17/25 15:53 95 Dibromofluoromethane (Surr) 106 70 - 130 02/17/25 15:53

Lab Sample ID: LCS 885-20919/4

Matrix: Air

Analysis Batch: 20919

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	20.1	19.5		ug/L		97	70 - 130	
Benzene	20.1	20.4		ug/L		101	70 - 130	
Chlorobenzene	20.1	19.7		ug/L		98	70 - 130	
Toluene	20.2	19.4		ug/L		96	70 - 130	
Trichloroethene (TCE)	20.2	19.8		ug/L		98	70 - 130	

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 1,2-Dichloroethane-d4 (Surr) 104 Toluene-d8 (Surr) 98 70 - 130 4-Bromofluorobenzene (Surr) 97 70 - 130 Dibromofluoromethane (Surr) 106 70 - 130

Lab Sample ID: 885-19537-1 DU

Matrix: Air

Analysis Batch: 20919

Client Sample ID: Influent 020525

Prep Type: Total/NA

Analysis Batch: 20919								
	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
1,1,1,2-Tetrachloroethane	ND		ND		ug/L		NC	20
1,1,1-Trichloroethane	ND		ND		ug/L		NC	20
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	ND		ND		ug/L		NC	20

Eurofins Albuquerque

Job ID: 885-19537-1 Client: Hilcorp Energy

Project/Site: LC Kelly #1E

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

ND

ND

ND

49

Lab Sample ID: 885-19537-1 DU

Matrix: Air

Analysis Batch: 20919

Dibromochloromethane

Bromoform

Client Sample ID: Influent 020525

Prep Type: Total/NA

, ,									
	Sample Sample		DU DU						
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	F	RPD	Limit
1,3-Dichlorobenzene	MD		ND		ug/L			NC	20
1.3-Dichloropropane	ND		ND		ua/L			NC	20

1,3-Dichloropropane ND ND ug/L NC ND 1,4-Dichlorobenzene ND ug/L NC 20 1-Methylnaphthalene ND ND ug/L NC 20 NC ND ND 20 2,2-Dichloropropane ug/L 2-Butanone ND ND ug/L NC 20 ND ND ug/L NC 2-Chlorotoluene 20 2-Hexanone ND ND ug/L NC 20 2-Methylnaphthalene ND ND ug/L NC 20 4-Chlorotoluene ND ND ug/L NC 4-Isopropyltoluene ND ND ug/L NC 20 ND NC 20

ND 4-Methyl-2-pentanone ug/L Acetone ND ND ug/L NC Benzene 8.6 8.45 ug/L 2 ND ND Bromobenzene ug/L NC Bromodichloromethane ND ND ug/L NC

Bromomethane ND ND ug/L NC ND ND Carbon disulfide ug/L NC Carbon tetrachloride ND ND ug/L NC Chlorobenzene ND ND ug/L NC Chloroethane ND ND ug/L NC ND Chloroform ND ug/L NC ND Chloromethane ND ug/L NC ND ND cis-1,2-Dichloroethene ug/L NC cis-1,3-Dichloropropene ND ND ug/L NC Dibromomethane ND ND ug/L NC

ND

ND

ug/L

ug/L

Dichlorodifluoromethane ND ND ug/L NC 20 Ethylbenzene 5.0 4.40 ug/L 12 20 ND ND NC Hexachlorobutadiene ug/L 20 Isopropylbenzene ND ND ug/L NC 20 ND Methyl-tert-butyl Ether (MTBE) ND ug/L NC 20 Methylene Chloride ND ND ug/L NC 20 ug/L n-Butylbenzene ND ND NC 20 N-Propylbenzene ND ND ug/L NC 20 Naphthalene ND ND ug/L NC 20 ND ND ug/L NC sec-Butylbenzene 20 ND ND NC Styrene ug/L 20

ND ND ug/L NC tert-Butylbenzene 20 Tetrachloroethene (PCE) ND ND NC 20 ug/L Toluene 51 47.7 ug/L 6 20 trans-1,2-Dichloroethene ND ND ug/L NC 20 trans-1,3-Dichloropropene NΠ NΠ ug/L NC. 20 Trichloroethene (TCE) ND ND ug/L NC 20 Trichlorofluoromethane ND ND ug/L NC 20

Eurofins Albuquerque

NC

12

20

20

ND

43.7

ug/L

ug/L

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

20

NC

NC

Vinyl chloride

Xylenes, Total

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: 885-19537-1 DU Matrix: Air

Client Sample ID: Influent 020525

Prep Type: Total/NA

Analysis Batch: 20919

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
Toluene-d8 (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130

QC Association Summary

Client: Hilcorp Energy

Job ID: 885-19537-1

Project/Site: LC Kelly #1E

GC/MS VOA

Analysis Batch: 20915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19537-1	Influent 020525	Total/NA	Air	8015M/D	
MB 885-20915/5	Method Blank	Total/NA	Air	8015M/D	
LCS 885-20915/4	Lab Control Sample	Total/NA	Air	8015M/D	
885-19537-1 DU	Influent 020525	Total/NA	Air	8015M/D	

Analysis Batch: 20919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Bate	ch
885-19537-1	Influent 020525	Total/NA	Air	8260B	_
MB 885-20919/5	Method Blank	Total/NA	Air	8260B	
LCS 885-20919/4	Lab Control Sample	Total/NA	Air	8260B	
885-19537-1 DU	Influent 020525	Total/NA	Air	8260B	

2

3

4

7

8

44

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

Date Received: 02/07/25 09:59

Client Sample ID: Influent 020525

Lab Sample ID: 885-19537-1 Date Collected: 02/05/25 13:20

Matrix: Air

Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor **Number Analyst** Lab or Analyzed Total/NA 8015M/D 20915 CM EET ALB 02/17/25 16:41 Analysis 50 Total/NA Analysis 8260B 50 20919 CM **EET ALB** 02/17/25 16:41

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

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque

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

Authority	Progr		Identification Number	Expiration Date
New Mexico	State	****	NM9425, NM0901	02-26-25
Trem mexico	State		20,	02 20 20
The following analytes a for which the agency do	· · · · · · · · · · · · · · · · · · ·	it the laboratory is not certif	ied by the governing authority. This lis	t may include analytes
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	ane
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	
8260B		Air	Dibromochloromethane	

Eurofins Albuquerque

2

Л

5

8

9

11

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

thority	Progra	am	Identification Number Expiration				
• .	•	t the laboratory is not certif	ied by the governing authority. This lis	st may include analyte			
for which the agency do	oes not offer certification.						
Analysis Method	Prep Method	Matrix	Analyte				
8260B		Air	Dibromomethane				
8260B		Air	Dichlorodifluoromethane				
8260B		Air	Ethylbenzene				
8260B		Air	Hexachlorobutadiene				
8260B		Air	Isopropylbenzene				
8260B		Air	Methylene Chloride				
8260B		Air	Methyl-tert-butyl Ether (M	TBE)			
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				
egon	NELAI	o	NM100001	02-25-25			

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

Eurofins Albuquerque

2

3

9

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-19537-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

ority	Progra	am	Identification Number Expiration Date
The following analytes	are included in this report, bu	ut the laboratory is not certif	ried by the governing authority. This list may include analyt
for which the agency do	oes 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	
8260B		Air	Ethylbenzene Hexachlorobutadiene
8260B		Air	
8260B		Air	Isopropylbenzene Methylene Chloride
8260B		Air	•
8260B			Methyl-tert-butyl Ether (MTBE)
		Air	Naphthalene
8260B 8260B		Air	n-Butylbenzene
		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

Eurofins Albuquerque

2

3

4

6

8

9

11

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

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

February 13, 2025

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

B25020522 Quote ID: B15626 Work Order:

Project Name: 88501698, LC Kelly #1E

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 2/11/2025 for analysis.

ANALYTICAL SUMMARY REPORT

Lab ID	Client Sample ID	Collect Date Receive Dat	e Matri x	Test
B25020522-001	Influent 020525 (885- 19537-1)	02/05/25 13:20 02/11/25	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.

Billings, MT 406.252.6325 . Casper, WY 307.235.0515

Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque

Project: 88501698, LC Kelly #1E

B25020522-001 Lab ID:

Client Sample ID: Influent 020525 (885-19537-1)

Report Date: 02/13/25 Collection Date: 02/05/25 13:20 DateReceived: 02/11/25

Matrix: Air

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	20.97	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
Nitrogen	78.10	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
Carbon Dioxide	0.89	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
sobutane	<0.01	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
sopentane	<0.01	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
Hexanes plus	0.04	Mol %		0.01		GPA 2261-13	02/12/25 11:39 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	02/12/25 11:39 / jrj
sobutane	< 0.001	gpm		0.001		GPA 2261-13	02/12/25 11:39 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	02/12/25 11:39 / jrj
sopentane	< 0.001	gpm		0.001		GPA 2261-13	02/12/25 11:39 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	02/12/25 11:39 / jrj
łexanes plus	0.017	gpm		0.001		GPA 2261-13	02/12/25 11:39 / jrj
SPM Total	0.017	gpm		0.001		GPA 2261-13	02/12/25 11:39 / jrj
GPM Pentanes plus	0.017	gpm		0.001		GPA 2261-13	02/12/25 11:39 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	2			1		GPA 2261-13	02/12/25 11:39 / jrj
Net BTU per cu ft @ std cond. (LHV)	2			1		GPA 2261-13	02/12/25 11:39 / jrj
Pseudo-critical Pressure, psia	548			1		GPA 2261-13	02/12/25 11:39 / jrj
Pseudo-critical Temperature, deg R	241			1		GPA 2261-13	02/12/25 11:39 / jrj
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	02/12/25 11:39 / jrj
Air, %	95.83			0.01		GPA 2261-13	02/12/25 11:39 / jrj
- The analysis was not corrected for air.							

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

- 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.

COMMENTS

RL - Analyte Reporting Limit MCL - Maximum Contaminant Level Report

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

02/12/25 11:39 / jrj

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

QA/QC Summary Report

Trust our People. Trust our Data.

www.energylab.com

Prepared by Billings, MT Branch

Work (Order: B25020522							Repo	ort Date:	02/13/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-13									Batch	R436745
Lab ID:	B25020523-001ADUP	12 Sa	mple Duplic	ate			Run: GC78	90 250212A		02/12	/25 13:16
Oxygen			21.8	Mol %	0.01			_	3.2	20	
Nitrogen			78.1	Mol %	0.01				0.9	20	
Carbon E	Dioxide		0.07	Mol %	0.01				13	20	
Hydroger	n Sulfide		<0.01	Mol %	0.01					20	
Methane			<0.01	Mol %	0.01					20	
Ethane			<0.01	Mol %	0.01					20	
Propane			< 0.01	Mol %	0.01					20	
Isobutan	е		<0.01	Mol %	0.01					20	
n-Butane	•		<0.01	Mol %	0.01					20	
Isopenta	ne		<0.01	Mol %	0.01					20	
n-Pentan	e		<0.01	Mol %	0.01					20	
Hexanes	plus		<0.01	Mol %	0.01					20	
Lab ID:	LCS021225	11 Lat	ooratory Co	ntrol Sample			Run: GC78	90_250212A		02/12	/25 03:01
Oxygen			0.62	Mol %	0.01	124	70	130			
Nitrogen			6.10	Mol %	0.01	102	70	130			
Carbon D	Dioxide		0.98	Mol %	0.01	99	70	130			
Methane			74.7	Mol %	0.01	100	70	130			
Ethane			6.01	Mol %	0.01	100	70	130			
Propane			5.03	Mol %	0.01	102	70	130			
Isobutan	е		1.75	Mol %	0.01	87	70	130			
n-Butane	•		1.99	Mol %	0.01	99	70	130			
Isopenta	ne		1.00	Mol %	0.01	100	70	130			
n-Pentan	e		1.01	Mol %	0.01	101	70	130			
Hexanes	plus		0.80	Mol %	0.01	100	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25020522

Login completed by:	Crystal M. Jones		Date Received: 2/11/2025							
Reviewed by:	lleprowse		Received by: KLP							
Reviewed Date:	2/11/2025		Carrier name: FedEx NDA							
Shipping container/cooler in o	good condition?	Yes 🗸	No 🗌	Not Present						
Custody seals intact on all sh	ipping container(s)/cooler(s)?	Yes	No 🗹	Not Present						
Custody seals intact on all sa	mple bottles?	Yes	No 🗌	Not Present ✓						
Chain of custody present?		Yes 🗹	No 🗌							
Chain of custody signed whe	Yes 🗹	No 🗌								
Chain of custody agrees with	Yes 🗹	No 🗌								
Samples in proper container/	Yes 🗹	No 🗌								
Sample containers intact?		Yes 🗹	No 🗌							
Sufficient sample volume for	indicated test?	Yes 🗹	No 🗌							
All samples received within h (Exclude analyses that are co such as pH, DO, Res CI, Sul	onsidered field parameters	Yes ✓	No 🗌							
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes	No 🗹	Not Applicable						
Container/Temp Blank tempe	rature:	7.0°C No Ice								
Containers requiring zero hea bubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted						
Water - pH acceptable upon	receipt?	Yes	No 🗌	Not Applicable						

Standard Reporting Procedures:

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

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

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

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

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

Contact and Corrective Action Comments:

A custody seal was present on the shipping container, but was not signed and dated. CMJ 02/11/25

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			
d	Louisiana	05079			
ANAB	Montana	CERT0044			
A C C R E D I T E D	Nebraska	NE-OS-13-04			
FESTING LAEDFIATORY	Nevada	NV-C24-00250			
a scene	North Dakota	R-007			
A STATE OF THE STA	National Radon Proficiency	109383-RMP			
TNI	Oregon	4184			
CORACCA	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			
e a a a a a a a a a a a a a a a a a a a	Louisiana	05083			
Casper, WY	Montana	CERTO002			
De acceso	Nebraska	NE-OS-08-04			
	Nevada	NV-C24-00245			
FREDMATON!	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			
Active and the sale of	Nevada	NV-C24-00119			
	US EPA Region VIII	Reciprocal			
	USDA Soil Permit	P330-20-00090			

Eurofins Albuquerque

4901 Hawkins NE

Albuquerque, NM 87109 Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

T	CONTRACTOR OF THE PARTY OF THE
н	25.5
м	
ь	

🔅 eurofins

Client Information (Sub Contract Lab)	Sampler: N/A				PM: arcia, Mi	ichelle	k+				arrier Trad	cking No(s)	j:	COC	C No:
Shipping/Receiving	Phone: N/A	Phone:			Mail: State					State of Origin:				5-3840.1 e:	
Company: Energy Laboratories, Inc.				Trac	Accred	ditations	s Required	d (See no	ite):		ew Mex	ico		Pag	ge 1 of 1
Address:	Due Date Reques	ted:			NELA	AP - O	regon; S	State - N	lew Me	xico					#: 5-19537-1
1120 South 27th Street, ,	2/14/2025							An	alvsis	Reque	ested				servation Codes:
Billings	TAT Requested (d	days): N/	۸					TT	1.70.0	1,042	1				
State, Zip: MT, 59101		INA	,												
Phone: 406-252-6325(Tel)	PO#: N/A														
Email: N/A	WO #: N/A				o o S										
Project Name:	N/A Project #:				Yes or	Gase								22	
LC Kelly #1E Site:	88501698				les (xed (aine	
N/A	ssow#; N/A				Samp SD (Y	ss)/ Fi								Othe	r:
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp,	Matrix (W=water, S=solld, O=waste/oll, BT=Tissue, A=Air)	Field Filtered S Perform MS/MS	SUB (Fixed Gases)/ Fixed Gases								Total Number of	
				ation Code:		S								<u></u>	Special Instructions/Note:
Influent 020525 (885-19537-1)	2/5/25	13:20 Mountain	G	Air		×								See	Attached Instructions
		Mountain			+	-			+		+				
					+									132	25020522
		1													
										-		1			
						1			+-		-				
Note: Since laboratory accreditations are subject to change, Eurofins Envi aboratory does not currently maintain accreditation in the State of Origin li ccreditation status should be brought to Eurofins Environment Testing Sc	ronment Testing South Centristed above for analysis/tests buth Central, LLC attention in	al, LLC places /matrix being a	the ownershi	p of method, an	alyte & are shipped	ccredita	ition comp	liance up	on our su	abcontract Testing Sc	laborator	ries. This s	ample shipr	ment is for	warded under chain-of-custody. If th
Possible Hazard Identification		-		COI COMEAGON I						o actour u	accounting to	o said com	busines to E	uronns En	ivironment Testing South Central, LL
Inconfirmed					San	ipie D	isposai	(A fee	may be	e asses	sed if s	amples			ger than 1 month)
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliveral	ble Rank: 2			Spe	cial In	urn To Construction	s/QC R	tequiren	Dispos ments:	sal By L	ab	Arch	hive For	Months
mpty Kit Relinquished by:	r	Date:			Time:						Method	of Shipmen	+		
elinquished by Moldan	Date/Time: 2/10/25	- 1:	7 1 1	Company	111	Receive	d by:				Medica.	Date/Tin			10
elinquished by:	Date/Time:	1,	315	Company		Receive	ad hy:								Company
elinquished by:	D + 00						-					Date/Tin			Company
	Date/Time:		C	Company	F	Receive	d by:	.00	1.11	11	. 0	Date/Tin	ne:	- 77	Company
Custody Seals Intact: Custody Seal No.:						/	Mre (i	CITA	W/16	14	hatte	02-1	1-25	14	145 Company ELI





Ver: 10/10/2024

Method Comments

Fixed Gases

Method Description SUB (Fixed Gases)/ Fixed Gases

Subcontract Method Instructions
Sample IDs Method

SUBCONTRACT SUB (

Container Type Tedlar Bag 1L

Containers

Count

Preservative None 1

2

3

4

5

£

7

R

9

10

a a

12

Page 7 of 7 2/19/2025

ICOC No: 885-3840

	ed
	by
	9
	OCD:
С	
	4/15/2025
	20
_	25
	10:01:32
	AM

Chain-of-Custody Record Client: Hulanp Atta: Motch Kullough Mailing Address:	Turn-Around Time: (O Day TAY Standard	HALL ENVIRONME ANALYSIS LABOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87102 Tel. 505-345-3975 Fax 505-345-4107
Phone #: email or Fax#: Mkillough & hilcorp.com	Project Manager:	Allalysis Request
QA/QC Package: Standard Level 4 (Full Validation)	Street Hyde	BTEX / MTBE / TMB's (8021) TPH:8015D(@RO / 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) Full List 8270 (Semi-VOA) Total Coliform (Present/Absent) Fixed GESS : CO ₂ 4 O ₂
□ NELAC □ Other	Sampler: Avan Lhnann On Ice: Ses INO	BTEX / MTBE / TMB's (802 TPH:8015D(GRO / DRO / MR 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 , S 8260 (VOA) Full List 8270 (Semi-VOA) Total Coliform (Present/Abse Fixed 64555; CD ₂ 4 O
□ EDD (Type)	# of Coolers: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	BTEX / MTBE / TMI TPH:8015D(©RO / D) 8081 Pesticides/808; EDB (Method 504.1) PAHs by 8310 or 82; RCRA 8 Metals CI, F, Br, NO ₃ , NO ₂ 8260 (VOA) Full / Rese Total Coliform (Prese Fixed Gases: Co
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type	BTEX BPTEX 8081 EDB (CI, F, Fixe
2/5/15 1320 Ar Influent 020525	2- Teldar	\times
Pale: 2 Time: Relinquished by:	Received by: Via: 2 Date Time	Remarks:
Date: Time: Refinquished by:	Received by Via: Date Time	s possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-19537-1

Login Number: 19537 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

· · · · · · · · · · · · · · · · · · ·			
Question	Answer	Comment	
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True		
The cooler's custody seal, if present, is intact.	True		
Sample custody seals, if present, are intact.	True		
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	True		
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		

Eurofins Albuquerque

Released to Imaging: 4/17/2025 1:37:05 PM

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/6/2025 1:54:06 PM

JOB DESCRIPTION

LC Kelly #1E

JOB NUMBER

885-19884-1

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 3/6/2025 1:54:06 PM

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

3/6/2025

•

3

4

5

b

8

11

Client: Hilcorp Energy
Laboratory Job ID: 885-19884-1
Project/Site: LC Kelly #1E

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Subcontract Data	18
Chain of Custody	25
Receipt Checklists	26

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-19884-1

Project/Site: LC Kelly #1E

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
\tilde{\pi}	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

MPN MQL

MLMinimum Level (Dioxin) Most Probable Number Method Quantitation Limit Not Calculated

NC

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

Quality Control QC

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: 885-19884-1

Project: LC Kelly #1E

Job ID: 885-19884-1 Eurofins Albuquerque

Job Narrative 885-19884-1

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 2/13/2025 6:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 9.1°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.

GC/MS VOA

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

Eurofins Albuquerque

1

3

5

7

0

10

11

Client Sample Results

RL

250

Unit

ug/L

Client: Hilcorp Energy Job ID: 885-19884-1

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics) Result Qualifier

2500

Project/Site: LC Kelly #1E

Analyte

C10]

Client Sample ID: Influent 021225

Date Collected: 02/12/25 12:40 Date Received: 02/13/25 06:30

Gasoline Range Organics [C6 -

Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-19884-1

Analyzed

02/21/25 13:44

Prepared

Matrix: Air

Dil Fac

5

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		52 - 172		-	·	02/21/25 13:44	50
Entrate de OMO 40 0000D . Malas			*****					
Method: SW846 8260B - Volat Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	ug/L	<u> </u>		02/21/25 13:44	50
1,1,1-Trichloroethane	ND		5.0	ug/L			02/21/25 13:44	50
1,1,2,2-Tetrachloroethane	ND		10	ug/L			02/21/25 13:44	50
1,1,2-Trichloroethane	ND		5.0	ug/L			02/21/25 13:44	50
1,1-Dichloroethane	ND		5.0	ug/L			02/21/25 13:44	50
1,1-Dichloroethene	ND		5.0	ug/L			02/21/25 13:44	50
1,1-Dichloropropene	ND		5.0	ug/L			02/21/25 13:44	50
1,2,3-Trichlorobenzene	ND		5.0	ug/L			02/21/25 13:44	50
1,2,3-Trichloropropane	ND		10	ug/L			02/21/25 13:44	50
1,2,4-Trichlorobenzene	ND		5.0	ug/L			02/21/25 13:44	50
1,2,4-Trimethylbenzene	ND		5.0	ug/L			02/21/25 13:44	50
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			02/21/25 13:44	50
1,2-Dibromoethane (EDB)	ND		5.0	ug/L			02/21/25 13:44	50
1,2-Dichlorobenzene	ND		5.0	ug/L			02/21/25 13:44	50
1,2-Dichloroethane (EDC)	ND		5.0	ug/L			02/21/25 13:44	50
1,2-Dichloropropane	ND		5.0	ug/L			02/21/25 13:44	50
1,3,5-Trimethylbenzene	ND		5.0	ug/L			02/21/25 13:44	50
1,3-Dichlorobenzene	ND		5.0	ug/L			02/21/25 13:44	50
1,3-Dichloropropane	ND		5.0	ug/L			02/21/25 13:44	50
1,4-Dichlorobenzene	ND		5.0	ug/L			02/21/25 13:44	50
1-Methylnaphthalene	ND		20	ug/L			02/21/25 13:44	50
2,2-Dichloropropane	ND		10	ug/L			02/21/25 13:44	50
2-Butanone	ND		50	ug/L			02/21/25 13:44	50
2-Chlorotoluene	ND		5.0	ug/L			02/21/25 13:44	50
2-Hexanone	ND		50	ug/L			02/21/25 13:44	50
2-Methylnaphthalene	ND		20	ug/L			02/21/25 13:44	50
4-Chlorotoluene	ND		5.0	ug/L			02/21/25 13:44	50
4-Isopropyltoluene	ND		5.0	ug/L			02/21/25 13:44	50
4-Methyl-2-pentanone	ND		50	ug/L			02/21/25 13:44	50
Acetone	ND		50	ug/L			02/21/25 13:44	50
Benzene	8.9		5.0	ug/L			02/21/25 13:44	50
Bromobenzene	ND		5.0	ug/L			02/21/25 13:44	50
Bromodichloromethane	ND		5.0	ug/L			02/21/25 13:44	50
Dibromochloromethane	ND		5.0	ug/L			02/21/25 13:44	50
Bromoform	ND		5.0	ug/L			02/21/25 13:44	50
Bromomethane	ND		15	ug/L			02/21/25 13:44	50
Carbon disulfide	ND		50	ug/L			02/21/25 13:44	50
Carbon tetrachloride	ND		5.0	ug/L			02/21/25 13:44	50
Chlorobenzene	ND		5.0	ug/L			02/21/25 13:44	50
Chloroethane	ND		10	ug/L			02/21/25 13:44	50
Chloroform	ND		5.0	ug/L			02/21/25 13:44	50
							Eurofins Albud	querque

Client Sample Results

Client: Hilcorp Energy Job ID: 885-19884-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 021225

Date Collected: 02/12/25 12:40 Date Received: 02/13/25 06:30

Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-19884-1

Matrix: Air

		ć)

Analyte	Result Qua	lifier RL	Unit	D Prepared	Analyzed	Dil Fac
Chloromethane	ND ND	15	ug/L	 _	02/21/25 13:44	50
cis-1,2-Dichloroethene	ND	5.0	ug/L		02/21/25 13:44	50
cis-1,3-Dichloropropene	ND	5.0	ug/L		02/21/25 13:44	50
Dibromomethane	ND	5.0	ug/L		02/21/25 13:44	50
Dichlorodifluoromethane	ND	5.0	ug/L		02/21/25 13:44	50
Ethylbenzene	ND	5.0	ug/L		02/21/25 13:44	50
Hexachlorobutadiene	ND	5.0	ug/L		02/21/25 13:44	50
Isopropylbenzene	ND	5.0	ug/L		02/21/25 13:44	50
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/L		02/21/25 13:44	50
Methylene Chloride	ND	15	ug/L		02/21/25 13:44	50
n-Butylbenzene	ND	15	ug/L		02/21/25 13:44	50
N-Propylbenzene	ND	5.0	ug/L		02/21/25 13:44	50
Naphthalene	ND	10	ug/L		02/21/25 13:44	50
sec-Butylbenzene	ND	5.0	ug/L		02/21/25 13:44	50
Styrene	ND	5.0	ug/L		02/21/25 13:44	50
tert-Butylbenzene	ND	5.0	ug/L		02/21/25 13:44	50
Tetrachloroethene (PCE)	ND	5.0	ug/L		02/21/25 13:44	50
Toluene	58	5.0	ug/L		02/21/25 13:44	50
trans-1,2-Dichloroethene	ND	5.0	ug/L		02/21/25 13:44	50
trans-1,3-Dichloropropene	ND	5.0	ug/L		02/21/25 13:44	50
Trichloroethene (TCE)	ND	5.0	ug/L		02/21/25 13:44	50
Trichlorofluoromethane	ND	5.0	ug/L		02/21/25 13:44	50
Vinyl chloride	ND	5.0	ug/L		02/21/25 13:44	50
Xylenes, Total	25	7.5	ug/L		02/21/25 13:44	50
Surrogato	% Pocovory Ous	difior Limits		Propared	Analyzod	Dil Esc

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		02/21/25 13:44	50
Toluene-d8 (Surr)	103		70 - 130		02/21/25 13:44	50
4-Bromofluorobenzene (Surr)	95		70 - 130		02/21/25 13:44	50
Dibromofluoromethane (Surr)	97		70 - 130		02/21/25 13:44	50

Job ID: 885-19884-1 Client: Hilcorp Energy

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-21215/5 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Air **Analysis Batch: 21215**

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	ug/L			02/21/25 12:06	1

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 52 - 172 4-Bromofluorobenzene (Surr) 98 02/21/25 12:06

Lab Sample ID: LCS 885-21215/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Air

Analysis Batch: 21215

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits

500 536 ug/L Gasoline Range Organics [C6 -

C10]

LCS LCS

%Recovery Qualifier Limits Surrogate

4-Bromofluorobenzene (Surr)

Lab Sample ID: 885-19884-1 DU Client Sample ID: Influent 021225 Matrix: Air

Analysis Batch: 21215

Sample Sample DU DU **RPD** Result Qualifier Result Qualifier RPD Limit Analyte Unit 2500 Gasoline Range Organics [C6 -2760 ug/L 20

C10]

DU DU

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 94 52 - 172

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

Lab Sample ID: MB 885-21216/5 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Air

Analysis Batch: 21216

Released to Imaging: 4/17/2025 1:37:05 PM

-	MB N	ИВ						
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND ND		0.10	ug/L			02/21/25 12:06	1
1,1,1-Trichloroethane	ND		0.10	ug/L			02/21/25 12:06	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			02/21/25 12:06	1
1,1,2-Trichloroethane	ND		0.10	ug/L			02/21/25 12:06	1
1,1-Dichloroethane	ND		0.10	ug/L			02/21/25 12:06	1
1,1-Dichloroethene	ND		0.10	ug/L			02/21/25 12:06	1
1,1-Dichloropropene	ND		0.10	ug/L			02/21/25 12:06	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			02/21/25 12:06	1
1,2,3-Trichloropropane	ND		0.20	ug/L			02/21/25 12:06	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			02/21/25 12:06	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			02/21/25 12:06	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			02/21/25 12:06	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			02/21/25 12:06	1
1,2-Dichlorobenzene	ND		0.10	ug/L			02/21/25 12:06	1

Eurofins Albuquerque

Prep Type: Total/NA

Client: Hilcorp Energy Job ID: 885-19884-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-21216/5

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Air

Analysis Batch: 21216

Analyte	Result Qualifie	r RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane (EDC)	ND ND	0.10	 ug/L		-	02/21/25 12:06	1
1,2-Dichloropropane	ND	0.10	ug/L			02/21/25 12:06	1
1,3,5-Trimethylbenzene	ND	0.10	ug/L			02/21/25 12:06	1
1,3-Dichlorobenzene	ND	0.10	ug/L			02/21/25 12:06	1
1,3-Dichloropropane	ND	0.10	ug/L			02/21/25 12:06	1
1,4-Dichlorobenzene	ND	0.10	ug/L			02/21/25 12:06	1
1-Methylnaphthalene	ND	0.40	ug/L			02/21/25 12:06	1
2,2-Dichloropropane	ND	0.20	ug/L			02/21/25 12:06	1
2-Butanone	ND	1.0	ug/L			02/21/25 12:06	1
2-Chlorotoluene	ND	0.10	ug/L			02/21/25 12:06	1
2-Hexanone	ND	1.0	ug/L			02/21/25 12:06	1
2-Methylnaphthalene	ND	0.40	ug/L			02/21/25 12:06	1
4-Chlorotoluene	ND	0.10	ug/L			02/21/25 12:06	1
4-Isopropyltoluene	ND	0.10	ug/L			02/21/25 12:06	1
4-Methyl-2-pentanone	ND	1.0	ug/L			02/21/25 12:06	1
Acetone	ND	1.0	ug/L			02/21/25 12:06	1
Benzene	ND	0.10	ug/L			02/21/25 12:06	
Bromobenzene	ND	0.10	ug/L			02/21/25 12:06	1
Bromodichloromethane	ND	0.10	ug/L			02/21/25 12:06	1
Dibromochloromethane	ND ND	0.10				02/21/25 12:06	
Bromoform	ND ND		ug/L			02/21/25 12:06	1
		0.10	ug/L				1
Bromomethane	ND	0.30	ug/L			02/21/25 12:06	
Carbon disulfide	ND	1.0	ug/L			02/21/25 12:06	1
Carbon tetrachloride	ND	0.10	ug/L			02/21/25 12:06	1
Chlorobenzene	ND	0.10	ug/L			02/21/25 12:06	
Chloroethane	ND	0.20	ug/L			02/21/25 12:06	1
Chloroform	ND	0.10	ug/L			02/21/25 12:06	1
Chloromethane	ND	0.30	ug/L			02/21/25 12:06	1
cis-1,2-Dichloroethene	ND	0.10	ug/L			02/21/25 12:06	1
cis-1,3-Dichloropropene	ND	0.10	ug/L			02/21/25 12:06	1
Dibromomethane	ND	0.10	ug/L			02/21/25 12:06	1
Dichlorodifluoromethane	ND	0.10	ug/L			02/21/25 12:06	1
Ethylbenzene	ND	0.10	ug/L			02/21/25 12:06	1
Hexachlorobutadiene	ND	0.10	ug/L			02/21/25 12:06	1
Isopropylbenzene	ND	0.10	ug/L			02/21/25 12:06	1
Methyl-tert-butyl Ether (MTBE)	ND	0.10	ug/L			02/21/25 12:06	1
Methylene Chloride	ND	0.30	ug/L			02/21/25 12:06	1
n-Butylbenzene	ND	0.30	ug/L			02/21/25 12:06	1
N-Propylbenzene	ND	0.10	ug/L			02/21/25 12:06	1
Naphthalene	ND	0.20	ug/L			02/21/25 12:06	1
sec-Butylbenzene	ND	0.10	ug/L			02/21/25 12:06	1
Styrene	ND	0.10	ug/L			02/21/25 12:06	1
tert-Butylbenzene	ND	0.10	ug/L			02/21/25 12:06	1
Tetrachloroethene (PCE)	ND	0.10	ug/L			02/21/25 12:06	1
Toluene	ND	0.10	ug/L			02/21/25 12:06	1
trans-1,2-Dichloroethene	ND	0.10	ug/L			02/21/25 12:06	1
trans-1,3-Dichloropropene	ND	0.10	ug/L			02/21/25 12:06	1
Trichloroethene (TCE)	ND	0.10	ug/L			02/21/25 12:06	1
Trichlorofluoromethane	ND	0.10	ug/L			02/21/25 12:06	1

Client: Hilcorp Energy Job ID: 885-19884-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-21216/5 Matrix: Air

Analysis Batch: 21216

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Vinyl chloride ND 0.10 ug/L 02/21/25 12:06 Xylenes, Total ND 0.15 ug/L 02/21/25 12:06

MD MD

	IVID	IVID				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 _ 130		02/21/25 12:06	1
Toluene-d8 (Surr)	96		70 - 130		02/21/25 12:06	1
4-Bromofluorobenzene (Surr)	96		70 - 130		02/21/25 12:06	1
Dibromofluoromethane (Surr)	104		70 - 130		02/21/25 12:06	1
	1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 4-Bromofluorobenzene (Surr)	Surrogate %Recovery 1,2-Dichloroethane-d4 (Surr) 108 Toluene-d8 (Surr) 96 4-Bromofluorobenzene (Surr) 96	Surrogate%RecoveryQualifier1,2-Dichloroethane-d4 (Surr)108Toluene-d8 (Surr)964-Bromofluorobenzene (Surr)96	Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 108 70 - 130 Toluene-d8 (Surr) 96 70 - 130 4-Bromofluorobenzene (Surr) 96 70 - 130	1,2-Dichloroethane-d4 (Surr) 108 70 - 130 Toluene-d8 (Surr) 96 70 - 130 4-Bromofluorobenzene (Surr) 96 70 - 130	Surrogate %Recovery Qualifier Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 108 70 - 130 02/21/25 12:06 Toluene-d8 (Surr) 96 70 - 130 02/21/25 12:06 4-Bromofluorobenzene (Surr) 96 70 - 130 02/21/25 12:06

Lab Sample ID: LCS 885-21216/4

Matrix: Air

Analysis Batch: 21216

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

%Rec %Rec Limits

Spike LCS LCS Analyte Added Result Qualifier Unit 1,1-Dichloroethene 20.1 18.5 92 70 - 130 ug/L Benzene 20.1 20.3 ug/L 101 70 - 130 Chlorobenzene 20.1 19.1 ug/L 70 - 130 95 ug/L 20.2 70 - 130 Toluene 19.2 95 Trichloroethene (TCE) 20.2 19.3 ug/L 96 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 130
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130

Lab Sample ID: 885-19884-1 DU

Matrix: Air

Analysis Batch: 21216

Client Sample ID: Influent 021225	
Prep Type: Total/NA	

Analysis Batch: 21216								
	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
1,1,1,2-Tetrachloroethane	ND		ND		ug/L		NC 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	ND		ND		ug/L		NC	20
•								

Client: Hilcorp Energy Job ID: 885-19884-1

DU DU

Project/Site: LC Kelly #1E

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

Sample Sample

Lab Sample ID: 885-19884-1 DU

Matrix: Air

Analysis Batch: 21216

Client Sample ID: Influent 021225

Prep Type: Total/NA

		RPD	
D	RPD	Limit	
	NC	20	

	Sample Sample	D0 D0	II B		KFD
Analyte	Result Qualifier	Result Qua		RPD	Limit
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	8.9	8.62	ug/L	3	20
Bromobenzene	ND	ND	ug/L	NC	20
Bromodichloromethane	ND	ND	ug/L	NC	20
Dibromochloromethane	ND	ND	ug/L	NC	20
Bromoform	ND	ND	ug/L	NC	20
Bromomethane	ND	ND	ug/L	NC	20
Carbon disulfide	ND	ND	ug/L	NC	20
Carbon tetrachloride	ND	ND	ug/L	NC	20
Chlorobenzene	ND	ND	ug/L	NC	20
Chloroethane	ND	ND	ug/L	NC	20
Chloroform	ND	ND	ug/L	NC	20
Chloromethane	ND	ND	ug/L	NC	20
cis-1,2-Dichloroethene	ND	ND	ug/L	NC	20
cis-1,3-Dichloropropene	ND	ND		NC	20
Dibromomethane	ND ND	ND ND	ug/L ug/L	NC NC	20
Dichlorodifluoromethane				NC NC	
	ND	ND	ug/L		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	58	62.4	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	25	27.5	ug/L	10	20

Client: Hilcorp Energy Job ID: 885-19884-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: 885-19884-1 DU	Client Sample ID: Influent 021225
Matrix: Air	Prep Type: Total/NA
Analysis Batch: 21216	

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		70 - 130
Toluene-d8 (Surr)	109		70 - 130
4-Bromofluorobenzene (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	93		70 - 130

QC Association Summary

Client: Hilcorp Energy
Project/Site: LC Kelly #1E

Job ID: 885-19884-1

GC/MS VOA

Analysis Batch: 21215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
885-19884-1	Influent 021225	Total/NA	Air	8015M/D
MB 885-21215/5	Method Blank	Total/NA	Air	8015M/D
LCS 885-21215/4	Lab Control Sample	Total/NA	Air	8015M/D
885-19884-1 DU	Influent 021225	Total/NA	Air	8015M/D

Analysis Batch: 21216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
885-19884-1	Influent 021225	Total/NA	Air	8260B
MB 885-21216/5	Method Blank	Total/NA	Air	8260B
LCS 885-21216/4	Lab Control Sample	Total/NA	Air	8260B
885-19884-1 DU	Influent 021225	Total/NA	Air	8260B

1

4

5

_

9

10

11

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-19884-1

Project/Site: LC Kelly #1E

Date Received: 02/13/25 06:30

Client Sample ID: Influent 021225

Lab Sample ID: 885-19884-1 Date Collected: 02/12/25 12:40

Matrix: Air

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015M/D		50	21215	CM	EET ALB	02/21/25 13:44
Total/NA	Analysis	8260B		50	21216	CM	EET ALB	02/21/25 13:44

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: 885-19884-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque

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

uthority	Progra	m	Identification Number	Expiration Date
ew Mexico	State		NM9425, NM0901	02-26-25
	are included in this report, but bes not offer certification.	the laboratory is not certif	ied by the governing authority. This lis	st may include analy
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	
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	

Eurofins Albuquerque

3

4

R

9

11

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-19884-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

ithority	Progra	am	Identification Number	Expiration Date
• •	are included in this report, bu	t the laboratory is not certif	fied by the governing authority. This I	st may include analyte
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 (M	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-Dichloropropen	е
8260B		Air	Trichloroethene (TCE)	
8260B		Air	Trichlorofluoromethane	
8260B		Air	Vinyl chloride	
8260B		Air	Xylenes, Total	
egon	NELAI	o	NM100001	02-25-25

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

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-19884-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

prity Progra		am	Identification Number	Expiration Date			
	are included in this report, but oes not offer certification.	ut the laboratory is not certif	ied by the governing authority. This lis	t may include analy			
Analysis Method	Prep Method	Matrix	Analyte				
8260B	1 Top Metriou	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 (M	RE)			
8260B		Air	Naphthalene	DL)			
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					
8260B		Air	trans-1,3-Dichloropropene Trichloroethene (TCE)				
8260B		Air	Trichlorofluoromethane				
8260B		Air	Vinyl chloride				
02000		ΔII	viriyi Gillonde				

Eurofins Albuquerque

2

3

4

5

9

11

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

ANALYTICAL SUMMARY REPORT

February 19, 2025

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

Work Order: B25020797 Quote ID: B15626

Project Name: LC Kelly #1E - 88501698

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 2/14/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Dat	e Matrix	Test
B25020797-001	Influent 021225 (885- 19884-1)	02/12/25 12:40 02/14/25	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.

2

2

3

4

5

7

9

10

11

Lab ID:

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

Report Date: 02/19/25

Matrix: Air

Collection Date: 02/12/25 12:40 DateReceived: 02/14/25

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Eurofins TestAmerica - Albuquerque Client:

B25020797-001

Project: LC Kelly #1E - 88501698

Client Sample ID: Influent 021225 (885-19884-1)

MCL/ QCL RLResult Units Qualifiers Method Analysis Date / By Analyses GAS CHROMATOGRAPHY ANALYSIS REPORT Oxygen 21.53 Mol % 0.01GPA 2261-13 02/18/25 12:05 / jrj Nitrogen 77.69 Mol % 0.01 GPA 2261-13 02/18/25 12:05 / jrj Carbon Dioxide 0.74 Mol % 0.01 GPA 2261-13 02/18/25 12:05 / jrj Hydrogen Sulfide <0.01 Mol % 0.01 GPA 2261-13 02/18/25 12:05 / jrj Methane <0.01 Mol % 02/18/25 12:05 / jrj 0.01 GPA 2261-13 Ethane <0.01 Mol % 0.01 GPA 2261-13 02/18/25 12:05 / jrj Propane <0.01 Mol % 0.01GPA 2261-13 02/18/25 12:05 / jrj Isobutane <0.01 Mol % 0.01 GPA 2261-13 02/18/25 12:05 / jrj n-Butane <0.01 Mol % 0.01 GPA 2261-13 02/18/25 12:05 / jrj Isopentane <0.01 Mol % 0.01 GPA 2261-13 02/18/25 12:05 / jrj <0.01 Mol % n-Pentane 0.01GPA 2261-13 02/18/25 12:05 / jrj Hexanes plus 0.04 Mol % 0.01 GPA 2261-13 02/18/25 12:05 / jrj 0.001 Propane < 0.001 gpm GPA 2261-13 02/18/25 12:05 / jrj Isobutane < 0.001 gpm 0.001 GPA 2261-13 02/18/25 12:05 / jrj n-Butane < 0.001 gpm 0.001 GPA 2261-13 02/18/25 12:05 / jrj Isopentane < 0.001 gpm 0.001 GPA 2261-13 02/18/25 12:05 / jrj n-Pentane < 0.001 gpm 0.001 GPA 2261-13 02/18/25 12:05 / jrj GPA 2261-13 Hexanes plus 0.017 gpm 0.001 02/18/25 12:05 / jrj **GPM Total** 0.017 gpm 0.001 GPA 2261-13 02/18/25 12:05 / jrj **GPM Pentanes plus** 0.017 gpm 0.001 GPA 2261-13 02/18/25 12:05 / jrj **CALCULATED PROPERTIES** 2 Gross BTU per cu ft @ Std Cond. (HHV) 1 GPA 2261-13 02/18/25 12:05 / jrj Net BTU per cu ft @ std cond. (LHV) 2 GPA 2261-13 1 02/18/25 12:05 / jrj Pseudo-critical Pressure, psia 548 1 GPA 2261-13 02/18/25 12:05 / jrj GPA 2261-13 Pseudo-critical Temperature, deg R 241 1 02/18/25 12:05 / jrj 0.001 Specific Gravity @ 60/60F 1.00 D3588-81 02/18/25 12:05 / jrj

COMMENTS

Air, %

- 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.

98.35

- 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.

- The analysis was not corrected for air.

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

QCL - Quality Control Limit

MCL - Maximum Contaminant Level

0.01

ND - Not detected at the Reporting Limit (RL)

GPA 2261-13

02/18/25 12:05 / jrj

02/18/25 12:05 / jrj

Work Order: B25020797

n-Butane

Isopentane

n-Pentane

Hexanes plus

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

Report Date: 02/19/25

0.0

20

20

20

20

02/18/25 14:43

QA/QC Summary Report

Prepared by Billings, MT Branch

Units RL %REC Low Limit High Limit Analyte Count Result **RPD RPDLimit** Qual Method: **GPA 2261-13** Batch: R436946 Lab ID: B25020797-001ADUP 12 Sample Duplicate Run: GC7890 250218A 02/18/25 12:54 Mol % 0.01 2.1 20 Oxygen 21.1 Nitrogen 78.2 Mol % 0.01 0.6 20 Carbon Dioxide 0.73 Mol % 0.01 1.4 20 Hydrogen Sulfide < 0.01 Mol % 0.01 20 Methane <0.01 Mol % 0.01 20 0.01 20 Ethane <0.01 Mol % Propane < 0.01 Mol % 0.01 20 < 0.01 0.01 20 Isobutane Mol %

0.01

0.01

0.01

0.01

Lab ID:	LCS021825	11 Laboratory Co	ntrol Sample			Run: GC7890	_250218A
Oxygen		0.63	Mol %	0.01	126	70	130
Nitrogen		5.75	Mol %	0.01	96	70	130
Carbon D	ioxide	1.03	Mol %	0.01	104	70	130
Methane		74.9	Mol %	0.01	100	70	130
Ethane		6.04	Mol %	0.01	101	70	130
Propane		5.01	Mol %	0.01	101	70	130
Isobutane	;	1.84	Mol %	0.01	92	70	130
n-Butane		2.00	Mol %	0.01	100	70	130
Isopentar	ie	1.02	Mol %	0.01	102	70	130
n-Pentan	е	1.01	Mol %	0.01	101	70	130
Hexanes	plus	0.80	Mol %	0.01	100	70	130

< 0.01

<0.01

<0.01

0.04

Mol %

Mol %

Mol %

Mol %

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25020797

Login completed by: Kyelie L. Pflock		Date Received: 2/14/2025						
Reviewed by: dharris	Received by: KLP							
Reviewed Date: 2/18/2025		Carrier 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:	2.4°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:

The cooler was received with a custody seal intact but was not signed or dated. KLP 02/14/25

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				
d	Louisiana	05079				
ANAB	Montana	CERT0044				
ANSI Namonal Accimulation Where A C C R E D T E D	Nebraska	NE-OS-13-04				
TESTING LABORATORY	Nevada	NV-C24-00250				
A ACCOR.	North Dakota	R-007				
	National Radon Proficiency	109383-RMP				
700	Oregon	4184				
A DESTON	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				
1467	Louisiana	05083				
Casper, WY	Montana	CERT0002				
The Acces	Nebraska	NE-OS-08-04				
	Nevada	NV-C24-00245				
Sagarok.	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

Chain of Custody Record Albuquerque, NM 87109

	8
200	ţ
F1 6	-

011	MA	273	
 Cu	II U	11	3

Environment Testing

Client Information (Sub Contract Lab)	ent Information (Sub Contract Lab) Sampler: N/A G						PM:					cking No(s	s):	-	COC No:			
Client Contact:	Phone:			E-M		cia, Michelle N/A					N/A State of Or	ioin:			885-3884.1 Page:			
Shipping/Receiving Company:	N/A	N/A mic					helle.garcia@et.eurofinsus.com New N								Page 1 of 1			
Energy Laboratories, Inc.					NELA	P - O	Require	d (See n State -	note): New M	exico					Job #: 885-19884-1			
Address: 1120 South 27th Street,	Due Date Request 2/20/2025	Due Date Requested:											885-19884-1 Preservation Codes:					
City:	TAT Requested (d	lays):				1		A	naiysi	s Rec	uested			THE OWNER OF THE OWNER OWN	•			
Billings State, Zip:		N/A	`							1								
MT, 59101																		
Phone: 406-252-6325(Tel)	PO#: N/A																	
Email:	WO#:				- 원 _													
N/A Project Name:	N/A				SS S	ases								SIS				
LC Kelly #1E	Project #: 88501698				Type (Yes or (Yes or (Yes or No)	9 pa								aine				
Site: N/A	SSOW#: N/A				Sampl SD (Y	Y F								contai	Other:			
N/C	N/A				MIS IN	ases				1				ō	N/A			
			Sample Type	Matrix (w=water,	Itere n MS	SUB (Fixed Gases)/ Fixed Gases								Total Number				
		Sample	(C=Comp,	S=solid, O=waste/oil,	Horn for	E.				1				Ž				
Sample Identification - Client ID (Lab ID)	Sample Date	Time		BT=Tissue, A=Air		S								1d	Special	nstructions/Note:		
officert 024 225 (005 4000 4 4)		12:40	00000	tion Code:	XX								1/4 .	X				
nfluent 021225 (885-19884-1)	2/12/25	Mountain	G	Air		Х								1	See Attached In	Structions 32502079		
					+		+	1										
					\vdash					4								
									-)									
					H													
								+			-	-						
						(
Note: Since laboratory accreditations are subject to change, Eurofins Envi aboratory does not currently maintain accreditation in the State of Origin accreditation status should be brought to Eurofins Environment Testing S	vironment Testing South Cent	ral, LLC places	the ownership	of method, a	nalyte & a	ccredit	ation con	npliance	upon our	subcon	tract laborat	ories. This	sample sh	nipment	is forwarded unde	er chain-of-custody. If the		
occreditation status should be brought to Eurofins Environment Testing S	South Central, LLC attention in	nmediately. If	all requested a	ccreditations	ere curren	t to dat	te, return	the sign	ed Chain	of Custi	ody attesting	to said co	mpliance to	or other o Eurofi	instructions will be ins Environment T	provided. Any changes esting South Central, LLC		
Possible Hazard Identification															longer than 1			
Inconfirmed							turn To				sposal By		\Box_A	rchive	For	Months		
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	ble Rank: 2			Spe	ecial Ir	nstructio	ons/QC	Requir	rement	s:							
Empty Kit Relinquished by:		Date:			Time:						Metho	of Shipm	ent:					
Relinquished by: Han Melah	Date/Time: 117	2-	17-	Company		Receiv	red by:			_		Date/	Time:			Company		
Relinquished by:	Date/Time:	5	1350	Compone.		Deserte	C.A.V.											
	Dato Time.			Company		Receiv	ed by:					Date/	Time:			Company		
Relinquished by:	Date/Time:		C	Company		Receiv	ed by;	oc.		11	hoff	/ Date/	Time:		1100	Company ELI		
							NELIE											





Page 201 of 255

Method Comments Fixed Gases

Method Description SUB (Fixed Gases)/ Fixed Gases

Subcontract Method Instructions
Sample IDs Method Method

1 SUBCONTRACT SUB (

Container Type Tedlar Bag 1L

Containers

Count

Preservative None 1

2

3

A

5

0

8

3

10

12

ICOC No: 885-3884

P
g_{D}
e
2
03
9
10
5

Chain-of-Custody Record			ord	Turn-Around 10 Day Standard	TAT											OR		,					
Ima	d	1 th. :	na.tol	o Kallana I		Project Name:			-	ANALYSIS LABOR www.hallenvironmental.com													
oino.	Mailing	Address	:	r Killough		LC Kelly #1 E				4901 Hawkins NE - Albuquerque, NM 871(ι.	885-19884 COC					
. 4/1					Project #:					el. 50					•	•	45-4						
7/20	Phone :	# :				,							Le l	Company of the Company	nalys	A CONTRACTOR OF THE PARTY OF TH	and the same of	Curament Wildle Con					
25 1	email o	r Fax#: V	ikillar	the hilcorp.com		Project Mana	ger:		=	10					SO ₄			Ê e	12				П
		Package:		☐ Level 4 (Full Va		Stue	rt Hyde		TMB's (8021)	O / MR	PCB's		OSIMS			2		nt/Abse	12402				
M	Accredi			mpliance		Sampler: A	war lemen	м,		ĮĢ.	3082	1.1	827		δĮ.	7		ese	3				
	□ NEL		□ Other		-	On Ice: # of Coolers:	□ Yes	No you	1 ~	\8 \8	Jes/8	1 504	0 o	sle	_ ကို ၂	3	8	<u>.</u>	ż		İ		
		(Type)_				4.1	(including CF): 9, 1	±0=91 (°0	MTBE,	200	sticic	thoc	831	Met	ž	<u></u>	-imi	ifor –	785	ŀ	İ		
P	Date	Time	Matrix	Sample Name		Container	Preservative Type	HEAL No.	BTEX/	1 \(\(\)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ ,	8260 (VOA) Full	8270 (Semi-VOA)	Total Coliform (Present/Absent)	I New Classes.		İ		
age		- 1240		Influent 0217	26	2. Telder			1	X			_	_		X			1	┪			
25 c	<i>F</i> ()	1-10		(1111000(10-10		- Itian				 			\neg		7	$^{\uparrow}$					1	11	H
f 26			1		$\overline{}$		_			╁						_	1,	1	\uparrow				
										-		7	A				+				-	+-	
		/			-				_	1		/	1		\dashv		71				+	1	H
		/	1		 			/ /			1				_		T				\top	\top	
		/	1		1								à		\dashv				$\exists f$			1-1	
			1		 	/				17			7	- 	$\neg f$	j			1	_	\top		
	1		7							V						7							
									1	1						/			N.			1	
	$\neg \vdash$								7				1										
	l						\bigcirc								/								
	Date	Time.	Relinquish	ed by		Received by:	Via:	Date Time	- 1	mark	s:												
(3)	2(4)7 Date	Time.	Rell Aguish	ed by		Received by:		912/25 140 Date Time	1														
3/6/2025	2/12/25	1740		1. Lin I la		- Control Dy	Via. coune	4:30															
025	171	If necessary,	samples sub	mitted to Hall Environment	al may be subc	contracted to other a	ccredited-laboratori	Z/13/29 This serves as notice of	this pos	sibility	Any s	ub-con	tracted	data v	vill be c	learly	notate	d on th	ne ana	ılytical r	eport		









Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-19884-1

Login Number: 19884 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/1/2025 4:59:37 PM

JOB DESCRIPTION

LC Kelly #1E

JOB NUMBER

885-21407-1

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 4/1/2025 4:59:37 PM

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

4/1/2025

Client: Hilcorp Energy

Laboratory Job ID: 885-21407-1

Project/Site: LC Kelly #1E

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	11
Lab Chronicle	12
Certification Summary	13
Subcontract Data	16
Chain of Custody	23
Receint Checklists	

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-21407-1 Project/Site: LC Kelly #1E

Glossary

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"
MDA	Minimum Detectable Activity (Radiochemistry)

Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit ML Minimum Level (Dioxin) Most Probable Number MPN Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Negative / Absent NEG POS Positive / Present

PQL **Practical Quantitation Limit**

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

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) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Hilcorp Energy

Job ID: 885-21407-1

Project: LC Kelly #1E

Job ID: 885-21407-1 Eurofins Albuquerque

Job Narrative 885-21407-1

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 3/13/2025 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 7.8°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.

GC/MS VOA

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

Eurofins Albuquerque

16

_

6

e S

9

1 1

Client Sample Results

Client: Hilcorp Energy Job ID: 885-21407-1

RL

250

Unit

ug/L

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Result Qualifier

660

Project/Site: LC Kelly #1E

Analyte

Client Sample ID: Influent 031225

Date Collected: 03/12/25 13:00 Date Received: 03/13/25 07:00

Sample Container: Tedlar Bag 1L

Gasoline Range Organics [C6 -

Lab Sample ID: 885-21407-1

Analyzed

03/26/25 13:51

Prepared

Matrix: Air

Dil Fac

50

E

5

7

9

11

8

50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	
50	

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	91		52 - 172			-	03/26/25 13:51	5
Mothod: SW946 9260B Vo	latila Organia (Compound	de (CC/MS)					
Method: SW846 8260B - Vo Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,1,2-Tetrachloroethane	ND	Qualifier	5.0	ug/L		Fiepareu	03/26/25 13:51	50
1,1,1-Trichloroethane	ND ND		5.0	ug/L ug/L			03/26/25 13:51	50
1,1,2,2-Tetrachloroethane	ND		10	•			03/26/25 13:51	50
	ND		5.0	ug/L			03/26/25 13:51	50
1,1,2-Trichloroethane 1,1-Dichloroethane	ND ND		5.0	ug/L			03/26/25 13:51	50
1,1-Dichloroethene	ND ND		5.0	ug/L			03/26/25 13:51	50
				ug/L				
1,1-Dichloropropene	ND		5.0	ug/L			03/26/25 13:51	50
1,2,3-Trichlorobenzene	ND		5.0	ug/L			03/26/25 13:51	50
1,2,3-Trichloropropane	ND		10	ug/L			03/26/25 13:51	50
1,2,4-Trichlorobenzene	ND		5.0	ug/L			03/26/25 13:51	50
1,2,4-Trimethylbenzene	ND		5.0	ug/L			03/26/25 13:51	50
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			03/26/25 13:51	50
1,2-Dibromoethane (EDB)	ND		5.0	ug/L			03/26/25 13:51	50
1,2-Dichlorobenzene	ND		5.0	ug/L			03/26/25 13:51	50
1,2-Dichloroethane (EDC)	ND		5.0	ug/L			03/26/25 13:51	50
1,2-Dichloropropane	ND		5.0	ug/L			03/26/25 13:51	50
1,3,5-Trimethylbenzene	ND		5.0	ug/L			03/26/25 13:51	50
1,3-Dichlorobenzene	ND		5.0	ug/L			03/26/25 13:51	50
1,3-Dichloropropane	ND		5.0	ug/L			03/26/25 13:51	50
1,4-Dichlorobenzene	ND		5.0	ug/L			03/26/25 13:51	50
1-Methylnaphthalene	ND		20	ug/L			03/26/25 13:51	50
2,2-Dichloropropane	ND		10	ug/L			03/26/25 13:51	50
2-Butanone	ND		50	ug/L			03/26/25 13:51	50
2-Chlorotoluene	ND		5.0	ug/L			03/26/25 13:51	50
2-Hexanone	ND		50	ug/L			03/26/25 13:51	50
2-Methylnaphthalene	ND		20	ug/L			03/26/25 13:51	50
4-Chlorotoluene	ND		5.0	ug/L			03/26/25 13:51	50
4-Isopropyltoluene	ND		5.0	ug/L			03/26/25 13:51	50
4-Methyl-2-pentanone	ND		50	ug/L			03/26/25 13:51	50
Acetone	ND		50	ug/L			03/26/25 13:51	50
Benzene	ND		5.0	ug/L			03/26/25 13:51	50
Bromobenzene	ND		5.0	ug/L			03/26/25 13:51	50
Bromodichloromethane	ND		5.0	ug/L			03/26/25 13:51	50
Dibromochloromethane	ND		5.0	ug/L			03/26/25 13:51	50
Bromoform	ND		5.0	ug/L			03/26/25 13:51	50
Bromomethane	ND		15	ug/L			03/26/25 13:51	50
Carbon disulfide	ND		50				03/26/25 13:51	50
	ND ND		5.0	ug/L			03/26/25 13:51	
Carbon tetrachloride				ug/L				50
Chlorobenzene	ND		5.0	ug/L			03/26/25 13:51	50
Chloroethane	ND		10	ug/L			03/26/25 13:51	50
Chloroform	ND		5.0	ug/L			03/26/25 13:51	50

Client: Hilcorp Energy Job ID: 885-21407-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 031225

Date Collected: 03/12/25 13:00
Date Received: 03/13/25 07:00

Date Received: 03/13/25 07:00 Sample Container: Tedlar Bag 1L Lab Sample ID: 885-21407-1

Matrix: Air

_ 4

5	

\cap
N 1

10

Analyte	Result Qualifi	ier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		ug/L			03/26/25 13:51	50
cis-1,2-Dichloroethene	ND	5.0	ug/L			03/26/25 13:51	50
cis-1,3-Dichloropropene	ND	5.0	ug/L			03/26/25 13:51	50
Dibromomethane	ND	5.0	ug/L			03/26/25 13:51	50
Dichlorodifluoromethane	ND	5.0	ug/L			03/26/25 13:51	50
Ethylbenzene	ND	5.0	ug/L			03/26/25 13:51	50
Hexachlorobutadiene	ND	5.0	ug/L			03/26/25 13:51	50
Isopropylbenzene	ND	5.0	ug/L			03/26/25 13:51	50
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/L			03/26/25 13:51	50
Methylene Chloride	ND	15	ug/L			03/26/25 13:51	50
n-Butylbenzene	ND	15	ug/L			03/26/25 13:51	50
N-Propylbenzene	ND	5.0	ug/L			03/26/25 13:51	50
Naphthalene	ND	10	ug/L			03/26/25 13:51	50
sec-Butylbenzene	ND	5.0	ug/L			03/26/25 13:51	50
Styrene	ND	5.0	ug/L			03/26/25 13:51	50
tert-Butylbenzene	ND	5.0	ug/L			03/26/25 13:51	50
Tetrachloroethene (PCE)	ND	5.0	ug/L			03/26/25 13:51	50
Toluene	6.1	5.0	ug/L			03/26/25 13:51	50
trans-1,2-Dichloroethene	ND	5.0	ug/L			03/26/25 13:51	50
trans-1,3-Dichloropropene	ND	5.0	ug/L			03/26/25 13:51	50
Trichloroethene (TCE)	ND	5.0	ug/L			03/26/25 13:51	50
Trichlorofluoromethane	ND	5.0	ug/L			03/26/25 13:51	50
Vinyl chloride	ND	5.0	ug/L			03/26/25 13:51	50
Xylenes, Total	ND	7.5	ug/L			03/26/25 13:51	50
Surrogate	%Recovery Qualif	ier Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110	70 - 130		_		03/26/25 13:51	50
Toluene-d8 (Surr)	109	70 - 130				03/26/25 13:51	50
4-Bromofluorobenzene (Surr)	93	70 - 130				03/26/25 13:51	50

70 - 130

107

03/26/25 13:51

50

Dibromofluoromethane (Surr)

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Client: Hilcorp Energy Job ID: 885-21407-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-23097/5

Matrix: Air

Analysis Batch: 23097

MB MB

Qualifier RL Unit Dil Fac Analyte Result D Prepared Analyzed Gasoline Range Organics [C6 - C10] ND 5.0 ug/L 03/26/25 12:36

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 89 52 - 172 03/26/25 12:36

Lab Sample ID: LCS 885-23097/4

Matrix: Air

Analysis Batch: 23097

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits 500 548

Gasoline Range Organics [C6 -

C10]

LCS LCS

MB MB

ND

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 885-23091/4

Matrix: Air

Analysis Batch: 23091

Client Sample ID: Method Blank

ug/L

Prep Type: Total/NA

Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac ND 0.10 1,1,1,2-Tetrachloroethane ug/L 03/26/25 12:36 1,1,1-Trichloroethane ND 0.10 ug/L 03/26/25 12:36 1,1,2,2-Tetrachloroethane ND 0.20 ug/L 03/26/25 12:36 1,1,2-Trichloroethane ND 0.10 ug/L 03/26/25 12:36 1,1-Dichloroethane ND 0.10 ug/L 03/26/25 12:36 1,1-Dichloroethene ND 0.10 ug/L 03/26/25 12:36 1,1-Dichloropropene ND 0.10 ug/L 03/26/25 12:36 ND 1,2,3-Trichlorobenzene 0.10 ug/L 03/26/25 12:36 1,2,3-Trichloropropane ND 0.20 ug/L 03/26/25 12:36 1,2,4-Trichlorobenzene NΠ 0.10 ug/L 03/26/25 12:36 03/26/25 12:36 1,2,4-Trimethylbenzene ND 0.10 ug/L 1,2-Dibromo-3-Chloropropane ND 0.20 ug/L 03/26/25 12:36 1,2-Dibromoethane (EDB) ND 0.10 ug/L 03/26/25 12:36 1,2-Dichlorobenzene ND 0.10 ug/L 03/26/25 12:36 1,2-Dichloroethane (EDC) ND 0.10 ug/L 03/26/25 12:36 ND 0.10 1,2-Dichloropropane ug/L 03/26/25 12:36 1,3,5-Trimethylbenzene ND 0.10 ug/L 03/26/25 12:36 1.3-Dichlorobenzene ND 0.10 ug/L 03/26/25 12:36 1,3-Dichloropropane ND 0.10 ug/L 03/26/25 12:36 1,4-Dichlorobenzene ND 0.10 ug/L 03/26/25 12:36 ND ug/L 1-Methylnaphthalene 0.40 03/26/25 12:36 0.20 2,2-Dichloropropane ND ug/L 03/26/25 12:36 2-Butanone ND 1.0 ug/L 03/26/25 12:36 2-Chlorotoluene ND 0.10 ug/L 03/26/25 12:36

Eurofins Albuquerque

03/26/25 12:36

1.0

ug/L

2-Hexanone

Client: Hilcorp Energy Job ID: 885-21407-1

Project/Site: LC Kelly #1E

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

MB MB

Lab Sample ID: MB 885-23091/4

Matrix: Air

Analysis Batch: 23091

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND	0.40	ug/L			03/26/25 12:36	1
4-Chlorotoluene	ND	0.10	ug/L			03/26/25 12:36	1
4-Isopropyltoluene	ND	0.10	ug/L			03/26/25 12:36	1
4-Methyl-2-pentanone	ND	1.0	ug/L			03/26/25 12:36	1
Acetone	ND	1.0	ug/L			03/26/25 12:36	1
Benzene	ND	0.10	ug/L			03/26/25 12:36	1
Bromobenzene	ND	0.10	ug/L			03/26/25 12:36	1
Bromodichloromethane	ND	0.10	ug/L			03/26/25 12:36	1
Dibromochloromethane	ND	0.10	ug/L			03/26/25 12:36	1
Bromoform	ND	0.10	ug/L			03/26/25 12:36	1
Bromomethane	ND	0.30	ug/L			03/26/25 12:36	1
Carbon disulfide	ND	1.0	ug/L			03/26/25 12:36	1
Carbon tetrachloride	ND	0.10	ug/L			03/26/25 12:36	1
Chlorobenzene	ND	0.10	ug/L			03/26/25 12:36	1
Chloroethane	ND	0.20	ug/L			03/26/25 12:36	1
Chloroform	ND	0.10	ug/L			03/26/25 12:36	1
Chloromethane	ND	0.30	ug/L			03/26/25 12:36	1
cis-1,2-Dichloroethene	ND	0.10	ug/L			03/26/25 12:36	1
cis-1,3-Dichloropropene	ND	0.10	ug/L			03/26/25 12:36	1
Dibromomethane	ND	0.10	ug/L			03/26/25 12:36	1
Dichlorodifluoromethane	ND	0.10	ug/L			03/26/25 12:36	1
Ethylbenzene	ND	0.10	ug/L			03/26/25 12:36	1
Hexachlorobutadiene	ND	0.10	ug/L			03/26/25 12:36	1
Isopropylbenzene	ND	0.10	ug/L			03/26/25 12:36	1
Methyl-tert-butyl Ether (MTBE)	ND	0.10	ug/L			03/26/25 12:36	1
Methylene Chloride	ND	0.30	ug/L			03/26/25 12:36	1
n-Butylbenzene	ND	0.30	ug/L			03/26/25 12:36	1
N-Propylbenzene	ND	0.10	ug/L			03/26/25 12:36	1
Naphthalene	ND	0.20	ug/L			03/26/25 12:36	1
sec-Butylbenzene	ND	0.10	ug/L			03/26/25 12:36	1
Styrene	ND	0.10	ug/L			03/26/25 12:36	1
tert-Butylbenzene	ND	0.10	ug/L			03/26/25 12:36	1
Tetrachloroethene (PCE)	ND	0.10	ug/L			03/26/25 12:36	· · · · · · · · · · · · · · · · · · ·
Toluene	ND	0.10	ug/L			03/26/25 12:36	1
trans-1,2-Dichloroethene	ND	0.10	ug/L			03/26/25 12:36	1
trans-1,3-Dichloropropene	ND	0.10	ug/L			03/26/25 12:36	1
Trichloroethene (TCE)	ND	0.10	ug/L			03/26/25 12:36	1
Trichlorofluoromethane	ND	0.10	ug/L			03/26/25 12:36	1
Vinyl chloride	ND	0.10	ug/L			03/26/25 12:36	
Xylenes, Total	ND	0.15	ug/L			03/26/25 12:36	1
Aylonos, Iolai	IND	0.10	ug/L			00/20/20 12.00	

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		70 - 130	_		03/26/25 12:36	1
Toluene-d8 (Surr)	101		70 - 130			03/26/25 12:36	1
4-Bromofluorobenzene (Surr)	93		70 - 130			03/26/25 12:36	1
Dibromofluoromethane (Surr)	111		70 - 130			03/26/25 12:36	1

Client: Hilcorp Energy Job ID: 885-21407-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: LCS 885-23091/3

Matrix: Air

Analysis Batch: 23091

Client Sample	ID:	Lab	Co	ntro	I Sam	ple
		Pre	o T	ype:	Total/	NA

Spike	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
20.0	18.6		ug/L		93	70 - 130	
20.0	20.8		ug/L		104	70 - 130	
20.0	20.5		ug/L		102	70 - 130	
20.0	20.1		ug/L		100	70 - 130	
20.0	18.0		ug/L		90	70 - 130	
	Added 20.0 20.0 20.0 20.0 20.0	Added Result 20.0 18.6 20.0 20.8 20.0 20.5 20.0 20.1	Added Result Qualifier 20.0 18.6 20.0 20.8 20.0 20.5 20.0 20.1	Added Result Qualifier Unit 20.0 18.6 ug/L 20.0 20.8 ug/L 20.0 20.5 ug/L 20.0 20.1 ug/L	Added Result Qualifier Unit D 20.0 18.6 ug/L 20.0 20.8 ug/L 20.0 20.5 ug/L 20.0 20.1 ug/L	Added Result Qualifier Unit D %Rec 20.0 18.6 ug/L 93 20.0 20.8 ug/L 104 20.0 20.5 ug/L 102 20.0 20.1 ug/L 100	Added Result Qualifier Unit D %Rec Limits 20.0 18.6 ug/L 93 70 - 130 20.0 20.8 ug/L 104 70 - 130 20.0 20.5 ug/L 102 70 - 130 20.0 20.1 ug/L 100 70 - 130

	LCS LCS				
Surrogate	%Recovery	Qualifier	er Limits		
1,2-Dichloroethane-d4 (Surr)	119		70 - 130		
Toluene-d8 (Surr)	101		70 - 130		
4-Bromofluorobenzene (Surr)	94		70 - 130		
Dibromofluoromethane (Surr)	109		70 - 130		

5

7

9

10

11

QC Association Summary

Client: Hilcorp Energy

Job ID: 885-21407-1

Project/Site: LC Kelly #1E

riojeci/Site. LC N

GC/MS VOA

-					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-21407-1	Influent 031225	Total/NA	Air	8260B	
MB 885-23091/4	Method Blank	Total/NA	Air	8260B	
LCS 885-23091/3	Lab Control Sample	Total/NA	Air	8260B	

Analysis Batch: 23097

Analysis Batch: 23091

Lab Sample ID 885-21407-1	Client Sample ID Influent 031225	Prep Type Total/NA	Matrix Air	Method 8015M/D	Prep Batch
MB 885-23097/5	Method Blank	Total/NA	Air	8015M/D	
LCS 885-23097/4	Lab Control Sample	Total/NA	Air	8015M/D	

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-21407-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 031225 Lab Sample ID: 885-21407-1

Date Collected: 03/12/25 13:00 Matrix: Air Date Received: 03/13/25 07:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015M/D		50	23097	СМ	EET ALB	03/26/25 13:51
Total/NA	Analysis	8260B		50	23091	CM	EET ALB	03/26/25 13:51

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

Q

9

44

Client: Hilcorp Energy Job ID: 885-21407-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

clude analytes

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

Client: Hilcorp Energy Job ID: 885-21407-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

thority	Progra	am	Identification Numl	ber Expiration Date
The following analyte	s are included in this repo	rt, but the laboratory is r	not certified by the governing a	uthority. This list may include analyte
for which the agency	does not offer certification	•		
Analysis Method	Prep Method	Matrix	Analyte	
8260B		Air	Dibromomethane	
8260B		Air	Dichlorodifluorometh	nane
8260B		Air	Ethylbenzene	
8260B		Air	Hexachlorobutadien	е
8260B		Air	Isopropylbenzene	
8260B		Air	Methylene Chloride	
8260B		Air	Methyl-tert-butyl Eth	er (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 (F	PCE)
8260B		Air	Toluene	
8260B		Air	trans-1,2-Dichloroetl	hene
8260B		Air	trans-1,3-Dichloropr	opene
8260B		Air	Trichloroethene (TC	E)
8260B		Air	Trichlorofluorometha	ane
8260B		Air	Vinyl chloride	
8260B		Air	Xylenes, Total	
egon	NELAF	5	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
8015M/D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene

Eurofins Albuquerque

2

3

4

6

8

4.0

11

Client: Hilcorp Energy Job ID: 885-21407-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

ority	Progra	am	Identification Number Expiration Date
	es are included in this repo does not offer certification	•	not certified by the governing authority. This list may include analyte
Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
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
02000		/NII	viriyi Gillorido

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

ANALYTICAL SUMMARY REPORT

March 17, 2025

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

Work Order: B25031011 Quote ID: B15626

Project Name: LC Kelly #1E - 88501698

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 3/14/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Date	e Matri x	Test
B25031011-001	Influent 031225 (885- 21407-1)	03/12/25 13:00 03/14/25	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.

2

2

А

5

7

10

11

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

Report Date: 03/17/25

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Eurofins TestAmerica - Albuquerque Client:

Project: LC Kelly #1E - 88501698

Collection Date: 03/12/25 13:00 Lab ID: B25031011-001 DateReceived: 03/14/25 Client Sample ID: Influent 031225 (885-21407-1) Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	21.22	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Nitrogen	78.06	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Carbon Dioxide	0.70	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Methane	< 0.01	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Hexanes plus	0.02	Mol %		0.01		GPA 2261-13	03/17/25 10:53 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	03/17/25 10:53 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	03/17/25 10:53 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	03/17/25 10:53 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	03/17/25 10:53 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	03/17/25 10:53 / jrj
Hexanes plus	0.008	gpm		0.001		GPA 2261-13	03/17/25 10:53 / jrj
GPM Total	0.008	gpm		0.001		GPA 2261-13	03/17/25 10:53 / jrj
GPM Pentanes plus	0.008	gpm		0.001		GPA 2261-13	03/17/25 10:53 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	1			1		GPA 2261-13	03/17/25 10:53 / jrj
Net BTU per cu ft @ std cond. (LHV)	1			1		GPA 2261-13	03/17/25 10:53 / jrj
Pseudo-critical Pressure, psia	547			1		GPA 2261-13	03/17/25 10:53 / jrj
Pseudo-critical Temperature, deg R	241			1		GPA 2261-13	03/17/25 10:53 / jrj
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	03/17/25 10:53 / jrj
Air, % - The analysis was not corrected for air.	96.95			0.01		GPA 2261-13	03/17/25 10:53 / jrj
COMMENTS							

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.

Report RL - Analyte Reporting Limit MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

03/17/25 10:53 / jrj

Work Order: B25031011

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

Report Date: 03/17/25

QA/QC Summary Report

Prepared by Billings, MT Branch

Analyte %REC Low Limit High Limit Count Result Units RPD RPDLimit Qual

Analyte		Count	Result	Ullits	KL	70KEC LO	OM FIIIII HI	Ju Fillin	KPD	KPDLIMIT	Quai
Method:	GPA 2261-13									Batch:	R438156
Lab ID:	B25031011-001ADUP	12 Sar	nple Duplic	ate		R	un: GC7890_2	250317A		03/17/	/25 11:44
Oxygen			21.4	Mol %	0.01				0.6	20	
Nitrogen			77.9	Mol %	0.01				0.2	20	
Carbon D	ioxide		0.70	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	
Isopentan	ie		<0.01	Mol %	0.01					20	
n-Pentane	е		<0.01	Mol %	0.01					20	
Hexanes	plus		0.02	Mol %	0.01				0.0	20	
Lab ID:	LCS031725	11 Lab	oratory Co	ntrol Sample		R	un: GC7890_2	250317A		03/17/	/25 13:31
Oxygen			0.59	Mol %	0.01	120	70	130			

Lab ID: LCS031725	11 Laboratory Control Sample			Run: GC7890_	250317A
Oxygen	0.59 Mol %	0.01	120	70	130
Nitrogen	5.97 Mol %	0.01	101	70	130
Carbon Dioxide	1.04 Mol %	0.01	104	70	130
Methane	76.4 Mol %	0.01	100	70	130
Ethane	6.14 Mol %	0.01	101	70	130
Propane	5.03 Mol %	0.01	101	70	130
Isobutane	1.67 Mol %	0.01	84	70	130
n-Butane	2.00 Mol %	0.01	100	70	130
Isopentane	0.49 Mol %	0.01	98	70	130
n-Pentane	0.50 Mol %	0.01	100	70	130
Hexanes plus	0.20 Mol %	0.01	97	70	130

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

3

4

6

_

10

1

Ш

ENERGY E	Trust our People. Trust our Data. www.energylab.com
----------	--

Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25031011

Login completed by: Lyndsi E. LeProwse		Date	e Received: 3/14/2025	
Reviewed by: Icadreau		Re	eceived by: LMB	
Reviewed Date: 3/17/2025		Ca	rrier 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 Cl, Sulfite, Ferrous Iron, etc.)	Yes ✓	No 🗌		
Temp Blank received in all shipping container(s)/cooler(s)?	Yes	No 🗹	Not Applicable	
Container/Temp Blank temperature:	10.2°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

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

2

3

4

6

8

10

12

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		
- Marie Control	Idaho	MT00005		
d	Louisiana	05079		
ANAB	Montana	CERT0044		
ARSI kanonsi Accinentation there	Nebraska	NE-OS-13-04		
TESTING LABORATORY	Nevada	NV-C24-00250		
acces.	North Dakota	R-007		
	National Radon Proficiency	109383-RMP		
700	Oregon	4184		
DEALOR	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		
C 14/1/	Louisiana	05083		
Casper, WY	Montana	CERT0002		
No according	Nebraska	NE-OS-08-04		
	Nevada	NV-C24-00245		
PROBLETOR	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



eurofins

Environment Testing

Sampler: N/A					lichelle	e				N/A						
Phone: N/A				chelle.g											Page: Page 1 of 1	
Due Date Requeste	d:													des:		
3/20/2025						_	-	Analy	sis Re	eque	sted	-	_		*	
TAT Requested (da	N/A															
N/A				9				1 1								
WO #: N/A				o S	Ses									1.5		
Project #:				3	s or									taine		
					FIX							1 1		con	Other:	
N/A					(Ses)									r of	N/A	
Sample Date	Sample Time			P	SUB (Fixed Ga									Total Numbe	Special I	nstructions/Note
	$\geq \leq$	Preservat	on Code:	X	\times								100	\times		
3/12/25	13:00 Mountain	G	Air		Х						1			1		
															825031	011
														7		
				+	+											
				+			7 1			_						
a lieted above for analysis/tosts	matriy haina	analyzed the s	amples mus	t be ship s are cur	rrent to	date, re	eturn the	s Enviro signed C	hain of C	esting S Custody	attesting	to said cor	npliance t	or our	rofins Environment	esting South Central
				,	Samp	le Dis _i Returi	posal (To Cli	A fee I	nay be	Dispo	ssed if	samples ab				Months
Primary Delivera	ble Rank: 2	2		5			_									
	Date:			Tim	e:	_					Method	of Shipme	int:			
Date/Time: 31/3	125	1400	Company		Re	ceived	oy:					Date/1	Time:			Company
Date/Time:			Company		Re	ceived	oy:					Date/1	ime:			Company
Date/Time:			Company		Re	X V	L	0 1	2 ,			Date/	4.25	5	1100	Company
					C6	oler Ter	nperatur	e(s) °Co	nd Other	r Remar	ks:					
		District in														Ver: 10/10/202
i.	N/A Phone: N/A Due Date Requeste 3/20/2025 TAT Requested (da PO #: N/A WO #: N/A Project #: 88501698 SSOW#: N/A Sample Date 3/12/25 nvironment Testing South Cent in listed above for analysis/tests South Central, LLC attention in Primary Delivera Date/Time: 3/13 Date/Time:	N/A Phone: N/A Due Date Requested: 3/20/2025 TAT Requested (days): N/A PO #: N/A WO #: N/A Project #: 88501698 SSOW#: N/A Sample Date Time 3/12/25 13:00 Mountain Nountain Primary Deliverable Rank: 2 Date/Time: Date/Time: Date/Time:	N/A Phone: N/A Due Date Requested: 3/20/2025 TAT Requested (days): N/A PO #: N/A WO #: N/A Project #: 88501698 SSOW#: N/A Sample Time Sample Type (C=comp, G=grab) s Preservati 3/12/25 13:00 Mountain G Primary Deliverable Rank: 2 Date/Time: Date/Time:	N/A Phone: N/A Due Date Requested: 3/20/2025 TAT Requested (days): N/A PO #: N/A Project #: 88501698 SSOW#: N/A Sample Type (C=comp, G=grab) 3/12/25 13:00 Mountain Mountain Matrix (W-water, Sa-solid, O-wastefold, O	N/A Phone: N/A Phone: N/A Due Date Requested: 3/20/2025 TAT Requested (days): N/A PO #: N/A WO #: N/A Project #: 88501698 SSOW#: N/A Sample Time Sample Type (G=comp, G=grab) 917-15sue, A-A/I) Preservation Code: 3/12/25 13:00 Mountain Preservation Code: 3/12/25 Air Primary Deliverable Rank: 2 Date/Time: Date/Time: Date/Time: Date/Time: Date/Time: Company Company	N/A Phone: N/A Due Date Requested: 3/20/2025 TAT Requested (days): N/A PO #: N/A Project #: 88501698 SSOW#. N/A Sample Date Time Sample C(C=comp. G=grab) Air (vewater) S=solid, Ostrosteolid, N/A Phone: N/A Phone: N/A	N/A Prone: N/A Due Date Requested: 3/20/2025 TAT Requested (days): N/A Project #: 88501698 SSOW#: N/A Project #: 88501698 SSOW#: N/A Project #: 98501698 N/A Phone: N/A Sarcia, Michelle E-Mail: michelle.garcia@et.eurofinsus.com Accreditations Required (See note): NELAP - Oregon; State - New Sarcia, Michelle.garcia@et.eurofinsus.com Accreditations Required (See note): NELAP - Oregon; State - New Sarcia, Michelle.garcia@et.eurofinsus.com NELAP - Oregon; State - New NA	N/A Phone: N/A Accreditations Required (See note): NELAP - Oregon; State - New Mexico: NELAP - Oregon;	Sampler: NI/A Phone: NI/A Phone: NI/A Phone: NI/A Phone: NI/A Accreditations Required (See note): NELAP - Oregon; State - New Mexico Bue Date Requested: 3/20/2025 TAT Requested (days): NI/A Project # Sample Time Sample Time Gegrab) Sample Sample Time Gegrab) Sample Sample Time Gegrab) Sample Sample Time Gegrab) Sample Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Sample Sample Time Gegrab) Sample Sample Sample Sample Sample Sample Matrix Gegrab) Sample Sa	N/A Prone: N/A Carcia, Michelle N/A Carcia, Michelle Stele of Origin New Mexico	Sampler: N/A Carrier Tracking No(s): N/A Phone: N/A Phone: N/A Phone: N/A Phone: N/A Accreditations Required (See note) NELAP - Origin, State - New Mexico NELAP - Origin,	Sample: N/A Garda, Michelle Fronce: N/A Accreditations Required (See note) N/A Accreditations Required (See note) NELAP - Oregon, State - New Mexico Accreditations Required (See note) NELAP - Oregon, State - New Mexico Analysis Requested TAT Requested (days): N/A PO 6 N/A N/A WO F. N/A N/A WO F. N/A Sample Sa	Sample Testing South Central LLC place the ownership of method, analysis & secondation considers upon nor subcontract laborations or the sample must be shaped basic to the furniture protection of code; and contract laborations in sample shown in start above for analysishistativativic being analysed, the samples are current to date, return to clate, return to class, return to class, return to class, return to class, return to plate. Primary Deliverable Rank: 2 Primary Deliverable Rank: 2 Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Dater Time: Method of Shipment.	Sample Date Sample Date Sample Date Sample Screen Sample Date		






Method Comments Fixed Gases

Method Description SUB (Fixed Gases)/ Fixed Gases

Subcontract Method Instructions
Sample IDs Method Method

SUBCONTRACT SUB (F

Container Type Tedlar Bag 1L

Containers

Count

Preservative None 1

2

3

Δ

5

6

7

8

9

10

10

11

15

Page 7 of 7 4/1/2025

ICOC No: 885-4177

		eceived by (
85-2°	407	 OCD: 4/1:
		15/2025 10:01:32 AM
		:01:32 A
		M
		Page
		 Page 227 of

Chain-of-Custody Reconstruction Client: Hilcorp Attn: Mailing Address:	Standard □	Rush	1		WWW.h	LYS: allenvir - Albu	TS L onmen querqu		87109		1407 COC 3340
Phone #:			Analysis Request								
email or Fax#: Milloy Ne hilcorp.com	Project Manager:		£ 8			SO ₄		sent)	8		101
QA/QC Package: ☐ Standard ☐ Level 4 (Full '	alidation) Struct Hydu	۴.	BTEX / MTBE / TMB's (8021) TPH-8015p(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	ادا	<u>+</u>	Total Coliform (Present/Absent)			0.01.32 AM
Accreditation: Az Compliance	Sampler: Agua	.1 –	MB's	1 (1	3270	NO ₂ , PO ₄ ,	Full 45+	resent			i i
□ NELAC □ Other	On lce: 🗹 Yes	s No you	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	38/80 504.	o 6		3 8	F S	- I		
□ EDD (Type)	# of Coolers:	1 cf): 7,9~0.1= 7.8 (°C)		icide	3310 Aetal	8	Pi Si	E C	22		
	Cooler Terrip(including C	CF). 421-0.11. 420 (0)	(/ N 3015	Pesi (Met	by 6	Ä,	Se So		3		
Date Time Matrix Sample Name		rvative HEAL No.	BTEX / MTBE / TPH·8015p(GRO	8081 Pesticides/8082 EDB (Method 504.1)	PAHs by 8310 c	Cl, F, Br, NO ₃ ,	8260 (VOA) <u>Fน</u> 8270 (Semi-VOA)	g T	LIXEA		
0				, <u> </u>		1 1,	<u>~</u>	2	##		
of										-	
4				ackslash							
						11-	-				
						1		1/			
	/					$\dagger \dagger$		/			
				I			\mathcal{X}				
				_/							
l l			Remarks								
Date. Time Relinquished by. A Date: Time Relinquished by.	Received by: Via.c	1/1/25 1615			de ms	@ en	solu	n.com	1		1 080
8 312 1730 Must Wa	X	3/13/25 7:00									0 / 44
If necessary, samples submitted to Hall Environm	ital may be subcontracted to other accredited		s possibility A	Any sub-co	ntracted da	ta will be o	clearly not	tated on the	analytical	eport	253

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-21407-1

List Source: Eurofins Albuquerque Login Number: 21407

List Number: 1

Creator: Casarrubias, Tracy

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

Eurofins Albuquerque Released to Imaging: 4/17/2025 1:37:05 PM

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/8/2025 4:26:44 PM

JOB DESCRIPTION

LC Kelly #1E

JOB NUMBER

885-22240-1

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 4/8/2025 4:26:44 PM

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

Page 2 of 26 4/8/2025

3

4

5

7

10

11

Client: Hilcorp Energy
Laboratory Job ID: 885-22240-1
Project/Site: LC Kelly #1E

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	8
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Subcontract Data	18
Chain of Custody	25
Receipt Checklists	26

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased.

Glossary

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

Percent Recovery %R

CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) **DER**

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 MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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)

RLReporting 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)

Too Numerous To Count **TNTC**

Case Narrative

Client: Hilcorp Energy

Job ID: 885-22240-1

Project: LC Kelly #1E

Job ID: 885-22240-1 Eurofins Albuquerque

Job Narrative 885-22240-1

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 3/28/2025 6:40 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

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.

GC/MS VOA

Method 8260B: Surrogate Toluene-d8 recovery for the following samples were outside control limits: Influent 032625 (885-22240-1) and (885-22240-A-1 DU). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Eurofins Albuquerque

1

2

3

4

5

9

IU

Client Sample Results

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 032625

Date Collected: 03/26/25 13:40

Date Received: 03/28/25 06:40 Sample Container: Tedlar Bag 1L Lab Sample ID: 885-22240-1

Matrix: Air

Method: SW846 8015M/D - No	onhalogenat	ed Organio	cs using GC/M	S -Modified (G	asoline	Range Or	ganics)	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	2000		25	ug/L			04/04/25 15:50	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		52 - 172				04/04/25 15:50	5

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L			04/04/25 15:50	į
1,1,1-Trichloroethane	ND	0.50	ug/L			04/04/25 15:50	į
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L			04/04/25 15:50	Ę
1,1,2-Trichloroethane	ND	0.50	ug/L			04/04/25 15:50	
1,1-Dichloroethane	ND	0.50	ug/L			04/04/25 15:50	Ę
1,1-Dichloroethene	ND	0.50	ug/L			04/04/25 15:50	Ę
1,1-Dichloropropene	ND	0.50	ug/L			04/04/25 15:50	
1,2,3-Trichlorobenzene	ND	0.50	ug/L			04/04/25 15:50	Ę
1,2,3-Trichloropropane	ND	1.0	ug/L			04/04/25 15:50	Ę
1,2,4-Trichlorobenzene	ND	0.50	ug/L			04/04/25 15:50	
1,2,4-Trimethylbenzene	1.3	0.50	ug/L			04/04/25 15:50	Ę
1,2-Dibromo-3-Chloropropane	ND	1.0	ug/L			04/04/25 15:50	Ę
1,2-Dibromoethane (EDB)	ND	0.50	ug/L			04/04/25 15:50	
1,2-Dichlorobenzene	ND	0.50	ug/L			04/04/25 15:50	į
1,2-Dichloroethane (EDC)	ND	0.50	ug/L			04/04/25 15:50	į
1,2-Dichloropropane	ND	0.50	ug/L			04/04/25 15:50	
1,3,5-Trimethylbenzene	1.8	0.50	ug/L			04/04/25 15:50	į
1,3-Dichlorobenzene	ND	0.50	ug/L			04/04/25 15:50	į
1,3-Dichloropropane	ND	0.50	ug/L			04/04/25 15:50	į
1,4-Dichlorobenzene	ND	0.50	ug/L			04/04/25 15:50	į
1-Methylnaphthalene	ND	2.0	ug/L			04/04/25 15:50	į
2,2-Dichloropropane	ND	1.0	ug/L			04/04/25 15:50	
2-Butanone	ND	5.0	ug/L			04/04/25 15:50	į
2-Chlorotoluene	ND	0.50	ug/L			04/04/25 15:50	į
2-Hexanone	ND	5.0	ug/L			04/04/25 15:50	
2-Methylnaphthalene	ND	2.0	ug/L			04/04/25 15:50	į
4-Chlorotoluene	ND	0.50	ug/L			04/04/25 15:50	į
4-Isopropyltoluene	ND	0.50	ug/L			04/04/25 15:50	
4-Methyl-2-pentanone	ND	5.0	ug/L			04/04/25 15:50	į
Acetone	ND	5.0	ug/L			04/04/25 15:50	į
Benzene	3.7	0.50	ug/L			04/04/25 15:50	
Bromobenzene	ND	0.50	ug/L			04/04/25 15:50	į
Bromodichloromethane	ND	0.50	ug/L			04/04/25 15:50	Ę
Dibromochloromethane	ND	0.50	ug/L			04/04/25 15:50	
Bromoform	ND	0.50	ug/L			04/04/25 15:50	į
Bromomethane	ND	1.5	ug/L			04/04/25 15:50	į
Carbon disulfide	ND	5.0	ug/L			04/04/25 15:50	
Carbon tetrachloride	ND	0.50	ug/L			04/04/25 15:50	ţ
Chlorobenzene	ND	0.50	ug/L			04/04/25 15:50	į
Chloroethane	ND	1.0	ug/L			04/04/25 15:50	
Chloroform	ND	0.50	ug/L			04/04/25 15:50	į

Eurofins Albuquerque

Page 6 of 26

Job ID: 885-22240-1

Client: Hilcorp Energy Project/Site: LC Kelly #1E

Client Sample ID: Influent 032625

Date Collected: 03/26/25 13:40

Date Received: 03/28/25 06:40 Sample Container: Tedlar Bag 1L Lab Sample ID: 885-22240-1

Matrix: Air

5

0

10

11

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.5	ug/L		-	04/04/25 15:50	5
cis-1,2-Dichloroethene	ND		0.50	ug/L			04/04/25 15:50	5
cis-1,3-Dichloropropene	ND		0.50	ug/L			04/04/25 15:50	5
Dibromomethane	ND		0.50	ug/L			04/04/25 15:50	5
Dichlorodifluoromethane	ND		0.50	ug/L			04/04/25 15:50	5
Ethylbenzene	4.8		0.50	ug/L			04/04/25 15:50	5
Hexachlorobutadiene	ND		0.50	ug/L			04/04/25 15:50	5
Isopropylbenzene	0.70		0.50	ug/L			04/04/25 15:50	5
Methyl-tert-butyl Ether (MTBE)	ND		0.50	ug/L			04/04/25 15:50	5
Methylene Chloride	ND		1.5	ug/L			04/04/25 15:50	5
n-Butylbenzene	ND		1.5	ug/L			04/04/25 15:50	5
N-Propylbenzene	0.50		0.50	ug/L			04/04/25 15:50	5
Naphthalene	ND		1.0	ug/L			04/04/25 15:50	5
sec-Butylbenzene	ND		0.50	ug/L			04/04/25 15:50	5
Styrene	ND		0.50	ug/L			04/04/25 15:50	5
tert-Butylbenzene	ND		0.50	ug/L			04/04/25 15:50	5
Tetrachloroethene (PCE)	ND		0.50	ug/L			04/04/25 15:50	5
Toluene	28		0.50	ug/L			04/04/25 15:50	5
trans-1,2-Dichloroethene	ND		0.50	ug/L			04/04/25 15:50	5
trans-1,3-Dichloropropene	ND		0.50	ug/L			04/04/25 15:50	5
Trichloroethene (TCE)	ND		0.50	ug/L			04/04/25 15:50	5
Trichlorofluoromethane	ND		0.50	ug/L			04/04/25 15:50	5
Vinyl chloride	ND		0.50	ug/L			04/04/25 15:50	5
Xylenes, Total	56		0.75	ug/L			04/04/25 15:50	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130				04/04/25 15:50	5
		_						

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		04/04/25 15:50	5
Toluene-d8 (Surr)	141	S1+	70 - 130		04/04/25 15:50	5
4-Bromofluorobenzene (Surr)	118		70 - 130		04/04/25 15:50	5
Dibromofluoromethane (Surr)	96		70 - 130		04/04/25 15:50	5

Client Sample ID: Method Blank

Prep Type: Total/NA

QC Sample Results

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-23678/4

Matrix: Air

Analysis Ba

Analysis Batch: 23678								
	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	ug/L			04/04/25 10:28	1

MB MB

%Recovery Surrogate Qualifier Limits Prepared Analyzed Dil Fac 52 - 172 4-Bromofluorobenzene (Surr) 90 04/04/25 10:28

Lab Sample ID: LCS 885-23678/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Air

Analysis Batch: 23678

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics [C6 -	500	529		ug/L		106	70 - 130	

C10]

LCS LCS

Limits Surrogate %Recovery Qualifier 4-Bromofluorobenzene (Surr) 102 52 - 172

Client Sample ID: Influent 032625 Lab Sample ID: 885-22240-1 DU Prep Type: Total/NA

Matrix: Air

Analysis Batch: 23678

	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Gasoline Range Organics [C6 -	2000		2100		ug/L		 	6	20

C10]

DU DU

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 112 52 - 172

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

Lab Sample ID: MB 885-23672/5

Matrix: Air

Analysis Batch: 23672

Chent Sample ID: Wethod Blank
Prep Type: Total/NA

MR MR Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.10 1,1,1,2-Tetrachloroethane 04/04/25 12:06 ND ug/L 1,1,1-Trichloroethane ND 0.10 ug/L 04/04/25 12:06 1,1,2,2-Tetrachloroethane ND 0.20 ug/L 04/04/25 12:06 1.1.2-Trichloroethane ND 0.10 ug/L 04/04/25 12:06 ND 1,1-Dichloroethane 0.10 ug/L 04/04/25 12:06 1,1-Dichloroethene ND 0.10 ug/L 04/04/25 12:06 ND 0.10 04/04/25 12:06 1,1-Dichloropropene ug/L 1,2,3-Trichlorobenzene ND 0.10 ug/L 04/04/25 12:06 1,2,3-Trichloropropane ND 0.20 ug/L 04/04/25 12:06 ND 1,2,4-Trichlorobenzene 0.10 ug/L 04/04/25 12:06 1,2,4-Trimethylbenzene ND 0.10 ug/L 04/04/25 12:06 1,2-Dibromo-3-Chloropropane ND 0.20 ug/L 04/04/25 12:06 1,2-Dibromoethane (EDB) ND 0.10 ug/L 04/04/25 12:06 1,2-Dichlorobenzene ND 04/04/25 12:06 0.10 ug/L

Eurofins Albuquerque

manda ID. Mathad Dia

QC Sample Results

Client: Hilcorp Energy Job ID: 885-22240-1

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

MB MB

ND

ND

ND

Lab Sample ID: MB 885-23672/5

Matrix: Air

Carbon disulfide

cis-1,3-Dichloropropene

Released to Imaging: 4/17/2025 1:37:05 PM

Analysis Batch: 23672

Project/Site: LC Kelly #1E

Client Sample ID: Method Blank

Prep Type: Total/NA

,	Prepared	Analyzed	Dil Fac	
)	Droporod	Apolyzod	Dil Eco	

04/04/25 12:06

04/04/25 12:06

Analyte Result Qualifier RL Unit 1,2-Dichloroethane (EDC) ND 0.10 ug/L 04/04/25 12:06 1,2-Dichloropropane ND 0.10 ug/L 04/04/25 12:06 ND 1,3,5-Trimethylbenzene 0.10 ug/L 04/04/25 12:06 1,3-Dichlorobenzene ND 0.10 ug/L 04/04/25 12:06 ND 0.10 ug/L 04/04/25 12:06 ND 0.10 ug/L 04/04/25 12:06

1,3-Dichloropropane 1,4-Dichlorobenzene 1-Methylnaphthalene ND 0.40 ug/L 04/04/25 12:06 2,2-Dichloropropane ND 0.20 ug/L 04/04/25 12:06 2-Butanone ND 1.0 ug/L 04/04/25 12:06 ND 0.10 ug/L 04/04/25 12:06

2-Chlorotoluene 2-Hexanone ND 1.0 ug/L 04/04/25 12:06 2-Methylnaphthalene ND 0.40 ug/L 04/04/25 12:06 4-Chlorotoluene 0.10 04/04/25 12:06 ND ug/L ND 0.10 4-Isopropyltoluene ug/L 04/04/25 12:06 4-Methyl-2-pentanone ND ug/L 04/04/25 12:06 10 Acetone ND 10 ug/L 04/04/25 12:06

Benzene ND 0.10 ug/L 04/04/25 12:06 ND 0.10 04/04/25 12:06 Bromobenzene ug/L Bromodichloromethane ND 0.10 ug/L 04/04/25 12:06 Dibromochloromethane ND 0.10 ug/L 04/04/25 12:06 04/04/25 12:06 Bromoform ND 0.10 ug/L Bromomethane ND 0.30 ug/L 04/04/25 12:06

1.0

0.10

0.10

ug/L

ug/L

Carbon tetrachloride ug/L 04/04/25 12:06 Chlorobenzene ND 0.10 ug/L 04/04/25 12:06 Chloroethane ND 0.20 04/04/25 12:06 ug/L Chloroform ND 0.10 ug/L 04/04/25 12:06 Chloromethane ND 0.30 ug/L 04/04/25 12:06 cis-1.2-Dichloroethene ND 0.10 ug/L 04/04/25 12:06

Dibromomethane ND 0.10 ug/L 04/04/25 12:06 Dichlorodifluoromethane ND 0.10 ug/L 04/04/25 12:06 Ethylbenzene ND 0.10 ug/L 04/04/25 12:06 ND ug/L Hexachlorobutadiene 0.10 04/04/25 12:06 Isopropylbenzene ND 0.10 ug/L 04/04/25 12:06

Methyl-tert-butyl Ether (MTBE) ND ug/L 04/04/25 12:06 0.10 Methylene Chloride ND 0.30 ug/L 04/04/25 12:06 n-Butylbenzene ND 0.30 ug/L 04/04/25 12:06 N-Propylbenzene ND 0.10 ug/L 04/04/25 12:06 Naphthalene ND 0.20 ug/L 04/04/25 12:06

sec-Butylbenzene ND 0.10 ug/L 04/04/25 12:06 Styrene ND 0.10 ug/L 04/04/25 12:06 tert-Butylbenzene ND 0.10 ug/L 04/04/25 12:06

ND Tetrachloroethene (PCE) 0.10 ug/L 04/04/25 12:06 Toluene ND 0.10 ug/L 04/04/25 12:06 trans-1,2-Dichloroethene ND 0.10 ug/L 04/04/25 12:06

ND ug/L trans-1,3-Dichloropropene 0.10 04/04/25 12:06 Trichloroethene (TCE) ND 0.10 ug/L 04/04/25 12:06 Trichlorofluoromethane 04/04/25 12:06 ND 0.10 ug/L

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: MB 885-23672/5 **Matrix: Air**

Analysis Batch: 23672

Client Sample ID: Method Blank

Prep Type: Total/NA

-	MB MB						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	0.10	ug/L			04/04/25 12:06	1
Xylenes, Total	ND	0.15	ug/L			04/04/25 12:06	1

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 114 70 - 130 04/04/25 12:06 Toluene-d8 (Surr) 105 70 - 130 04/04/25 12:06 04/04/25 12:06 4-Bromofluorobenzene (Surr) 70 - 130 89 Dibromofluoromethane (Surr) 111 70 - 130 04/04/25 12:06

Lab Sample ID: LCS 885-23672/4

Matrix: Air

Analysis Batch: 23672

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	19.1		ug/L		96	70 - 130	
Benzene	20.0	20.3		ug/L		101	70 - 130	
Chlorobenzene	20.0	22.4		ug/L		112	70 - 130	
Toluene	20.0	22.0		ug/L		110	70 - 130	
Trichloroethene (TCE)	20.0	17.9		ug/L		90	70 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 70 - 130 109 Toluene-d8 (Surr) 111 70 - 130 4-Bromofluorobenzene (Surr) 97 70 - 130 Dibromofluoromethane (Surr) 109 70 - 130

Lab Sample ID: 885-22240-1 DU

Matrix: Air

Analysis Batch: 23672

Client Sample ID: Influent 032625 Prep Type: Total/NA

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
1,1,1,2-Tetrachloroethane	ND		ND		ug/L		NC 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	1.3		1.35		ug/L		3	20
1,2-Dibromo-3-Chloropropane	ND		ND		ug/L		NC	20
1,2-Dibromoethane (EDB)	ND		ND		ug/L		NC	20
1,2-Dichlorobenzene	ND		ND		ug/L		NC	20
1,2-Dichloroethane (EDC)	ND		ND		ug/L		NC	20
1,2-Dichloropropane	ND		ND		ug/L		NC	20
1,3,5-Trimethylbenzene	1.8		1.83		ug/L		0.8	20

QC Sample Results

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: 885-22240-1 DU

Matrix: Air

Analysis Batch: 23672

Client Sample ID: Influent 032625

Prep Type: Total/NA

6	

Analyte	Sample Sample Result Qualifier		DU Qualifier Unit	D	RPD	RPD Limit
1,3-Dichlorobenzene	ND Qualifier	ND	ug/L		NC	20
1,3-Dichloropropane	ND	ND	ug/L		NC	20
1,4-Dichlorobenzene	ND ND	ND ND	•		NC NC	20
·	ND ND	ND ND	ug/L		NC NC	20
1-Methylnaphthalene			ug/L			
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	3.7	3.69	ug/L		0.9	20
Bromobenzene	ND	ND	ug/L		NC	20
Bromodichloromethane	ND	ND	ug/L		NC	20
Dibromochloromethane	ND	ND	ug/L		NC	20
Bromoform	ND	ND	ug/L		NC	20
Bromomethane	ND	ND	ug/L		NC	20
Carbon disulfide	ND	ND	ug/L		NC	20
Carbon tetrachloride	ND	ND	ug/L		NC	20
Chlorobenzene	ND	ND	ug/L		NC	20
Chloroethane	ND	ND	ug/L		NC	20
Chloroform	ND	ND	ug/L		NC	20
Chloromethane	ND	ND	ug/L		NC	20
cis-1,2-Dichloroethene	ND	ND	ug/L		NC	20
cis-1,3-Dichloropropene	ND	ND	ug/L		NC	20
Dibromomethane	ND	ND	ug/L		NC	20
Dichlorodifluoromethane	ND	ND	ug/L		NC	20
Ethylbenzene	4.8	4.80	ug/L		0.2	20
Hexachlorobutadiene	ND	ND	ug/L		NC	20
Isopropylbenzene	0.70	0.700	ug/L		0	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	0.50	0.503	ug/L		1	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			NC	20
Toluene			ug/L			
	28 ND	30.3	ug/L		8	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	56	55.9	ug/L		0	20

QC Sample Results

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

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

Lab Sample ID: 885-22240-1 DU **Matrix: Air**

Analysis Batch: 23672

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	148	S1+	70 - 130
4-Bromofluorobenzene (Surr)	118		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130

Client Sample ID: Influent 032625 **Prep Type: Total/NA**

QC Association Summary

Client: Hilcorp Energy

Job ID: 885-22240-1

Project/Site: LC Kelly #1E

GC/MS VOA

Analysis Batch: 23672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22240-1	Influent 032625	Total/NA	Air	8260B	
MB 885-23672/5	Method Blank	Total/NA	Air	8260B	
LCS 885-23672/4	Lab Control Sample	Total/NA	Air	8260B	
885-22240-1 DU	Influent 032625	Total/NA	Air	8260B	

Analysis Batch: 23678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22240-1	Influent 032625	Total/NA	Air	8015M/D	
MB 885-23678/4	Method Blank	Total/NA	Air	8015M/D	
LCS 885-23678/3	Lab Control Sample	Total/NA	Air	8015M/D	
885-22240-1 DU	Influent 032625	Total/NA	Air	8015M/D	

Eurofins Albuquerque

1

6

7

8

9

11

Lab Chronicle

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

Client Sample ID: Influent 032625 Lab Sample ID: 885-22240-1

Date Collected: 03/26/25 13:40 Matrix: Air Date Received: 03/28/25 06:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015M/D		5	23678	СМ	EET ALB	04/04/25 15:50
Total/NA	Analysis	8260B		5	23672	CM	EET ALB	04/04/25 15:50

Laboratory References:

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

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

Eurofins Albuquerque

3

5

__

6

8

3

11

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date	
New Mexico	State	NM9425, NM0901	02-27-26	

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes

Analysis Method	Prep Method	Matrix	Analyte
8015M/D		Air	Gasoline Range Organics [C6 - C10]
3260B		Air	1,1,1,2-Tetrachloroethane
3260B		Air	1,1,1-Trichloroethane
3260B		Air	1,1,2,2-Tetrachloroethane
3260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
3260B		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
3260B		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
3260B 3260B		Air	Chloroethane
8260B		Air	Chloroform
8260B			Chloromethane
		Air	
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

thority	Program	1	Identification Number Expiration Date
		but the laboratory is	not certified by the governing authority. This list may include analyte
for which the agency	does not offer certification.		
Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total
gon	NELAP		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
8015M/D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene

Eurofins Albuquerque

2

3

4

6

8

9

11

Client: Hilcorp Energy Job ID: 885-22240-1

Project/Site: LC Kelly #1E

Laboratory: Eurofins Albuquerque (Continued)

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

ority	Progra	am	Identification Number Expiration Date
• •	are included in this repo	•	not certified by the governing authority. This list may include analy
Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air Air	Trichloroethene (TCE) Trichlorofluoromethane
9260B			TOCOLOTO DE LO SOLO DE LA COLOTO DEL COLOTO DE LA COLOTO DEL COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DEL COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DE LA COLOTO DEL COLOTO DE LA COLOTO DEL COLOTO DE LA CO
8260B 8260B		Air	Vinyl chloride

Eurofins Albuquerque

-

2

3

4

6

8

4.0

11

| 4

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

ANALYTICAL SUMMARY REPORT

April 04, 2025

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

Work Order: B25040046 Quote ID: B15626

Project Name: LC Kelly #1E, 88501698

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 4/1/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Da	te Matri x	Test
B25040046-001	Influent 032625 (885- 22240-1)	03/26/25 13:40 04/01/25	5 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.

2

Δ

5

9

10

11

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

Report Date: 04/04/25

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Eurofins TestAmerica - Albuquerque Client:

Project:

Client Sample ID: Influent 032625 (885-22240-1)

LC Kelly #1E, 88501698 Collection Date: 03/26/25 13:40 Lab ID: B25040046-001 DateReceived: 04/01/25 Matrix: Air

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS I	REPORT						
Oxygen	21.36	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Nitrogen	78.05	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Carbon Dioxide	0.56	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Isobutane	< 0.01	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
n-Butane	< 0.01	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Isopentane	< 0.01	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
n-Pentane	< 0.01	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Hexanes plus	0.03	Mol %		0.01		GPA 2261-13	04/02/25 08:50 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	04/02/25 08:50 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	04/02/25 08:50 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	04/02/25 08:50 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	04/02/25 08:50 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	04/02/25 08:50 / jrj
Hexanes plus	0.013	gpm		0.001		GPA 2261-13	04/02/25 08:50 / jrj
GPM Total	0.013	gpm		0.001		GPA 2261-13	04/02/25 08:50 / jrj
GPM Pentanes plus	0.013	gpm		0.001		GPA 2261-13	04/02/25 08:50 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	1			1		GPA 2261-13	04/02/25 08:50 / jrj
Net BTU per cu ft @ std cond. (LHV)	1			1		GPA 2261-13	04/02/25 08:50 / jrj
Pseudo-critical Pressure, psia	547			1		GPA 2261-13	04/02/25 08:50 / jrj
Pseudo-critical Temperature, deg R	240			1		GPA 2261-13	04/02/25 08:50 / jrj
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	04/02/25 08:50 / jrj
Air, % - The analysis was not corrected for air.	97.58			0.01		GPA 2261-13	04/02/25 08:50 / jrj
0011151150							

COMMENTS

04/02/25 08:50 / jrj

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

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

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

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

Report RL - Analyte Reporting Limit MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL) Work Order: B25040046

Hexanes plus

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

Report Date: 04/04/25

20

04/02/25 14:15

QA/QC Summary Report

Prepared by Billings, MT Branch

Units RL %REC Low Limit High Limit Analyte Count Result **RPD RPDLimit** Qual **GPA 2261-13** Batch: R439068 Method: Lab ID: B25040046-001ADUP 12 Sample Duplicate Run: GC7890 250402A 04/02/25 09:39 0.1 Mol % 0.01 20 Oxygen 21.4 Nitrogen 78.1 Mol % 0.01 0 20 Carbon Dioxide 0.56 Mol % 0.01 0.0 20 Hydrogen Sulfide < 0.01 Mol % 0.01 20 Methane <0.01 Mol % 0.01 20 0.01 Ethane <0.01 Mol % 20 Propane < 0.01 Mol % 0.01 20 < 0.01 0.01 20 Isobutane Mol % n-Butane < 0.01 Mol % 0.01 20 Isopentane <0.01 Mol % 0.01 20 0.01 n-Pentane <0.01 Mol % 20

0.01

Lab ID: LCS04022	i 11 Laboratory Co	ntrol Sample		R	un: GC7890 2	250402A
Oxygen	0.58	Mol %	0.01	118	70	130
Nitrogen	5.93	Mol %	0.01	101	70	130
Carbon Dioxide	1.00	Mol %	0.01	100	70	130
Methane	76.1	Mol %	0.01	100	70	130
Ethane	6.14	Mol %	0.01	101	70	130
Propane	5.04	Mol %	0.01	101	70	130
Isobutane	1.97	Mol %	0.01	99	70	130
n-Butane	2.01	Mol %	0.01	101	70	130
Isopentane	0.52	Mol %	0.01	104	70	130
n-Pentane	0.52	Mol %	0.01	104	70	130
Hexanes plus	0.21	Mol %	0.01	102	70	130

Mol %

< 0.01

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25040046

Login completed by:	Kyelie L. Pflock		Date F	Received: 4/1/2025		
Reviewed by:	Icadreau	Received by: KLP				
Reviewed Date:	4/1/2025		Carr	ier name: FedEx NDA		
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present		
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes	No 🗌	Not Present ✓		
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓		
Chain of custody present?		Yes ✓	No 🗌			
Chain of custody signed whe	n 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 h (Exclude analyses that are co such as pH, DO, Res Cl, Sul	onsidered field parameters	Yes ✓	No 🗌			
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes	No 🗹	Not Applicable		
Container/Temp Blank tempe	erature:	13.4°C No Ice				
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted		
Water - pH acceptable upon	receipt?	Yes	No 🗌	Not Applicable		

Standard Reporting Procedures:

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

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

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

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

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

Contact and Corrective Action Comments:

None

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
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI Namonal Accimulation Where A C C R E D T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
A ACCOR.	North Dakota	R-007
	National Radon Proficiency	109383-RMP
700	Oregon	4184
AGENTON .	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
1467	Louisiana	05083
Casper, WY	Montana	CERT0002
The Acces	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
Sagarok.	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

9

10

1

Eurofins Albuquerque

4901 Hawkins NE

Albuquerque, NM 87109

Chain of Custody Record

K.	1	
Ţ.	48	
ď	775	

@ ID			-		
	ell	ro	TI	ın	5

Environment Testing

Phone: 505-345-3975 Fax: 505-345-4107																	
Client Information (Sub Contract Lab)								rier Trackin A	g No(s):			COC No: 885-4385,1					
Client Contact: Shipping/Receiving	Phone: N/A	E-Mai mich							te of Origin: w Mexico			Page: Page	1 of 1				
Company:				Accredit	Accreditations Required (See note): NELAP - Oregon; State - New Mexico								Job #:	22240-1			
Energy Laboratories, Inc.					NELA	P - Ole	Jon, Sta	ite - ive	ew iviexi	CO					rvation Co	dani	
Address: 1120 South 27th Street, ,	20 South 27th Street, , 4/4/2025								lysis F	Reque	sted			-	rvation Co	ies.	
City: Billings	TAT Requested (d	lays): N/A						1									
State, Zip: MT, 59101																	
Phone: 406-252-6325(Tel)	PO #. N/A																
Email:	WO #:			_	Ž												
N/A	N/A				Yes or or No)	Sases								Services			
Project Name: LC Kelly #1E	Project #: 88501698				8 8	ixed (1 1	1 1		Duta			
Site: N/A	SSOW#: N/A				Samp ISD (Y	PS)/F						1 1		Other N/A	E.		
		Sample	Sample Type (C=comp,	Matrix (W=water, S=solid, O=waste/oil,	Field Filtered !	SUB (Fixed Gases)/ Fixed Gases								iotal Number	To section		
Sample Identification - Client ID (Lab ID)	Sample Date	Time	The second secon	BT=Tissue, A=Air)	III a	18						The statement of the			Special I	nstructions/Note):
			Preserva	tion Code:	$\times\!\!\times$									X			
Influent 032625 (885-22240-1)	3/26/25	13:40 Mountain	G	Air		х	+							1 See A	ttached Ins	tructions B 250	1004
					-	H	+			+							
Note: Since laboratory accreditations are subject to change, Eurofins Envirolaboratory does not currently maintain accreditation in the State of Origin I accreditation status should be brought to Eurofins Environment Testing Sc	eted ahove for analysis/tas	te/matriy heinn	analyzed the	t taum selames	e shinne	ed back to	o the Furo	fins Fn	vironment	Testing 5	South Centr	al IIC lab	oratory or	other instr	ructions will b	e provided. Any char	naes to
Possible Hazard Identification						mple D	Disposal	(A fe	e may k	be asse	ssed if s	amples			ger than 1		
Unconfirmed					1	Ret	urn To C	Client		Disp	osal By L	ab	An	chive Fo	r	Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	rable Rank:	2		Sp		struction										
Empty Kit Relinquished by:		Date:			Time:						Method	of Shipmer	it.				
Relinquished by: Melhler	Date/Time:	- 1	SOCI	Company		Receive	ed by:					Date/Ti	me:			Company	
Relinquished by:	Date/Time:			Company		Receive	ed by:					Date/Ti	me:			Company	
Relinquished by: Date/Time: Comp					-	Received by: Received by:				//	200	Date/Ti	me: 4-d-2	_	///-	5 Company	_









V

0

U

4

N

1

2

3

4

5

6

7

8

9

10

12

ICOC No: 885-4385

Containers

Count Container Type

1 Tedlar Bag 1L

Preservative None

 Subcontract Method Instructions

 Sample IDs
 Method
 Method Description

 1
 SUBCONTRACT
 SUB (Fixed Gases)

Method Comments

Fixed Gases

Page 7 of 7 4/8/2025

	hain	-of-C	ustody Record	Turn-Around	Time:							IAI		F	NV	/TE	20	NN	/F		
Client:	Hilco	rp		⊠ Standard □ Rush													30			#	
Attn: Mitch Killough				Project Nam	e:										iron					22	盤
Mailing	Address	3:		LCI	Celly * IE				49	01 H									109	885-2224	10 COC
				Project #:				4901 Hawkins NE - Albuquerque, NM 87109 885-22240 COC Tel. 505-345-3975 Fax 505-345-4107													
Phone	# :													-	/sis	THE REAL PROPERTY.	-				
email o				Project Mana	ager:			<u>-</u>	6					SO4	7 7		E)	Ì			
QA/QC	Package: dard	444	☐ Level 4 (Full Validation)	Stur	t Hyde			s (8021)	O / MR	PCB's		SIMS	A	NO2, PO4, S	St		t/Abse	402			
		□ Az C	ompliance	Sampler: A	<u></u>			TMB'	DR	982	=	3270		02,	117		sen	Cd24			
□ NEL		□ Othe	·	On Ice:		M∕ No			(8)	3/80	504.	9 70	S		Fulllist	8	(Pre	3			
□ EDD	(Type)			# of Coolers:			(0.0)	MTBE	\ <u>\o</u>	cide	bot	310	etal	N N		-i-	E	Gas			
				Cooler Temp	(including CF): N	/ /-+	(°C)		015[esti	Met	by 8	8	Br,	0	Serr	S S	7			
Pa Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type		HEAL No.	BTEX/	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 ,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Fixed			
Ge 3/26/15	1340	Air	Influent 032625	2-Tolder					×	-				•	×			×			
5 of													-								
26																					
																					++
												\dashv			H				\dashv	+	+
											\dashv	\dashv							\dashv	+	++
-												\dashv					-		-	+	++
											-	\dashv		_		_				+	
				ļ						\dashv		-							-		++
								\vdash			\dashv	-							-	+	++
											\dashv					_		\vdash	-	+	+-
											\dashv	_			- 1				-	_	++
Date:	Time:	Relinquis	Ted by:	Received by:	Via:		ate Time	Don	nark						41						
श्याष	1350	12		The	War	3/27	125 1350	Nen	ııal K	Sh	yde										
1/8/2025 Date:	Time:	Relinquis	ned by:	Received by:	Via: Courier		ate Time	1 C	C:	db		0	er	60	lum	.co	m				
3-10-10	If necessary	samples su	sbmitted to Hall Environmental may be sub	contracted to other a	accredited laboratori		128/25	s nossi	ibility	•		tracted	data	will be	e clear	ly not	ated o	n the ar	alvtica	report	







Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-22240-1

Login Number: 22240 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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 452128

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	452128
	Action Type:
	[REPORT] Alternative Remediation Report (C-141AR)

CONDITIONS

Crea By	ondition	Condition Date
nve	. Continue O&M & sampling as stated in report. 2. Submit next quarterly report by July 15, 2025.	4/17/2025