

December 11, 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: 2024 Annual Groundwater Monitoring Report

San Juan 30-6 Unit 31A Rio Arriba County, New Mexico Hilcorp Energy Company

NMOCD Incident Number: nAPP2301160771

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *2024 Annual Groundwater Monitoring Report* associated with a release discovered at the San Juan 30-6 Unit 31A natural gas production well pad (Site). The Site is located on private land in Unit F, Section 33, Township 30 North, Range 6 West in Rio Arriba County, New Mexico (Figure 1).

SITE BACKGROUND

On December 27, 2022, Hilcorp personnel discovered a release of 92 barrels (bbls) of condensate originating from corrosion holes on the "J Leg" piping of the oil dump line. The release volume was determined based on the operator's monthly tank gauging data. Fluids stayed within the secondary containment berm, but none were recovered. Upon discovery, the tank was immediately emptied. Hilcorp reported the release via email to the New Mexico Oil Conservation Division (NMOCD) on December 28, 2022, and subsequently submitted a Form C-141, *Release Notification* to the NMOCD on January 11, 2023. The release was assigned NMOCD Incident Number nAPP2301160771.

SITE CLOSURE CRITERIA

The NMOCD requires groundwater quality standards be met as presented by the NMWQCC and listed in Title 20, Chapter 6, Part 2, Section 3103 (20.6.2.3103) of the New Mexico Administrative Code (NMAC). The following standards are presented for the COCs at the Site in micrograms per liter (μ g/L).

Benzene: 5.0 µg/L
Toluene: 1,000 µg/L
Ethylbenzene: 700 µg/L
Total Xylenes: 620 µg/L

In addition, NMWQCC standards state light non-aqueous phase liquids (LNAPLs) or phase-separated hydrocarbons (PSH), as referenced in this report, shall not be present floating on the groundwater table.

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SITE INVESTIGATION SUMMARY

To investigate potential impacts resulting from the release, Hilcorp performed delineation activities at the Site beginning in January 2023. Initial investigation efforts were conducted using an excavator to advance three potholes at the Site. Based on the initial field screening and sampling results from these pothole locations, additional vertical and horizontal delineation with a drill rig was required. Drilling activities took place in May 2023 to advance a total of seven boreholes (BH01 through BH07), with additional boreholes BH08 through BH12 drilled in January 2024. Groundwater was encountered during drilling activities at depths ranging from approximately 38 feet to 42 feet below ground surface (bgs). Due to the presence of groundwater at the Site, permanent groundwater monitoring wells were subsequently installed in all open boreholes (labeled MW01 through MW012) and were screened across the water table for groundwater assessment and monitoring. Wells were identified to match the numbering of the boreholes so that monitoring well MW01 was installed in borehole BH01 and so on. Wells were constructed using 2-inch Schedule 40 polyvinyl chloride (PVC) well screen and riser. Wells were completed with 10 to 20 feet of 0.010 well screen, depending on the PID field screening observations collected during drilling. Well locations are shown on Figure 2.

Additionally, boreholes BH01 and BH02 were completed with additional nested wells constructed with screens in the shallow vadose zone based on elevated PID values. These wells were installed to serve as test well for potential Soil Vapor Extraction (SVE) for the treatment of shallow soil impacts. A shallow and deep well was nested within the same borehole and initially labelled BH01 S (shallow), BH01 D (deep), BH02 S (shallow), and BH02 D (deep). BH01 D and BH02 D were subsequently labeled MW01 and MW02, respectively, for future groundwater monitoring. Well locations were surveyed with a handheld Global Positioning System (GPS) unit and Top of Casing (TOC) elevations were surveyed using a laser level to the nearest hundredth of a foot.

Additional information regarding soil investigation and remediation activities has been provide in a separate report, as requested by the NMOCD.

GROUNDWATER SAMPLING ACTIVITIES AND RESULTS

Groundwater conditions were first assessed at the Site on June 2, 2023. Quarterly groundwater sampling began in December 2023 and samples were collected in December 2023, January 2024, May 2024, and July 2024. All Site wells were ultimately plugged and abandoned prior to and during remedial excavation activities that occurred in September 2024. As such, groundwater samples were not collected during the fourth quarter of 2024.

Prior to sampling, depth to PSH and depth to groundwater were measured in all wells using an oil/water interface probe in order to calculate groundwater elevations and assess the inferred groundwater flow direction. During all sampling events, wells MW01, MW02, MW03, MW04, and MW12 contained trace to measurable volumes of PSH. When PSH was present, a correction factor of 0.8 was applied to the elevation to account for the depression of the water column caused by the presence of overlying PSH. Additionally, monitoring well MW05 had been dry during all sampling events and not sampled. As noted in previous reports, the total depth of well MW05 is approximately 5 feet higher in elevation than indicated on the borehole log. It appears the borehole caved in as the drill augers were removed and the well screen was unable to be installed at the terminus of the borehole. Table 1 presents a summary of groundwater elevations and thickness of PSH measured at the Site. PSH thicknesses ranged from 0.12 feet to 1.85 feet during 2024 sampling events. Potentiometric surface maps with calculated groundwater elevations and inferred groundwater flow direction for 2024 are shown on Figures 3, 4, and 5.

Groundwater from each monitoring well was purged and sampled using a disposable bailer. Purging was accomplished by removing three casing volumes of stagnant groundwater from the monitoring well prior to collecting a sample. Field measurements of groundwater quality parameters, including temperature, pH, and electrical conductivity, were collected during the purging process and recorded in



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the attached field logs (Appendix A). During each sampling event, groundwater samples were collected for laboratory analysis from wells MW06 through MW11. Groundwater samples were placed directly into laboratory-provided preserved vials and immediately placed on ice. Samples were submitted to Eurofins for analysis of BTEX following EPA Methods 8021 or 8260. Analytical results from groundwater samples indicated benzene concentrations exceeded the NMWQCC standard in well MW06 during all 2024 sampling events. Toluene, ethylbenzene, and total xylene concentrations did not exceed the applicable NMWQCC standards during any of the sampling events in well MW06. Additionally, BTEX concentrations were compliant with NMWQCC standards during all events from wells MW07, MW08, MW09, MW10, and MW11. A summary of groundwater analytical results is presented in Table 2 and on Figure 6, with groundwater laboratory analytical reports attached as Appendix B.

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

Sincerely,

Ensolum, LLC

Stuart Hyde, PG*

PG*Senior Managing Geologist

shyde@ensolum.com

(*licensed in TX, WA, & WY)

Attachments:

Figure 1: Site Receptor Map

Figure 2: Site Map

Figure 3: Groundwater Potentiometric Surface Map (January 2024)
Figure 4: Groundwater Potentiometric Surface Map (May 2024)
Figure 5: Groundwater Potentiometric Surface Map (July 2024)

Figure 6: Groundwater Analytical Results

Table 1: Groundwater Elevation Summary Table 2: Groundwater Analytical Results

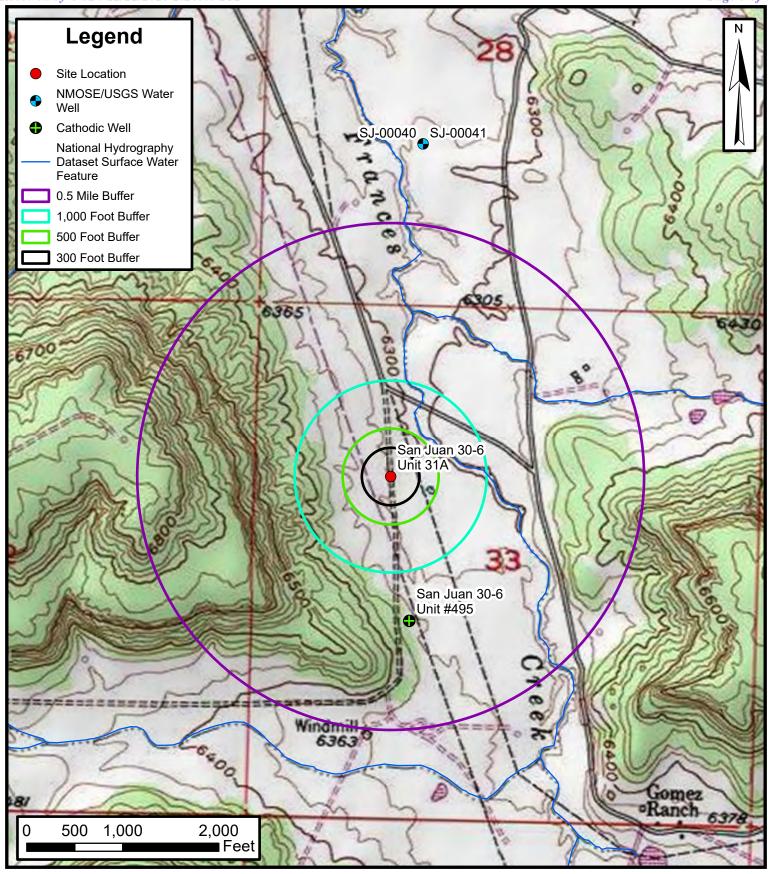
Appendix A: Groundwater Sampling Forms

Appendix B: Groundwater Sample Laboratory Analytical Reports





FIGURES





Site Receptor Map

San Juan 30-6 Unit 31A Hilcorp Energy Company Unit F, Sec 33, T30N, R06W 36.77139, -107.47258 Rio Arriba County, New Mexico FIGURE 1

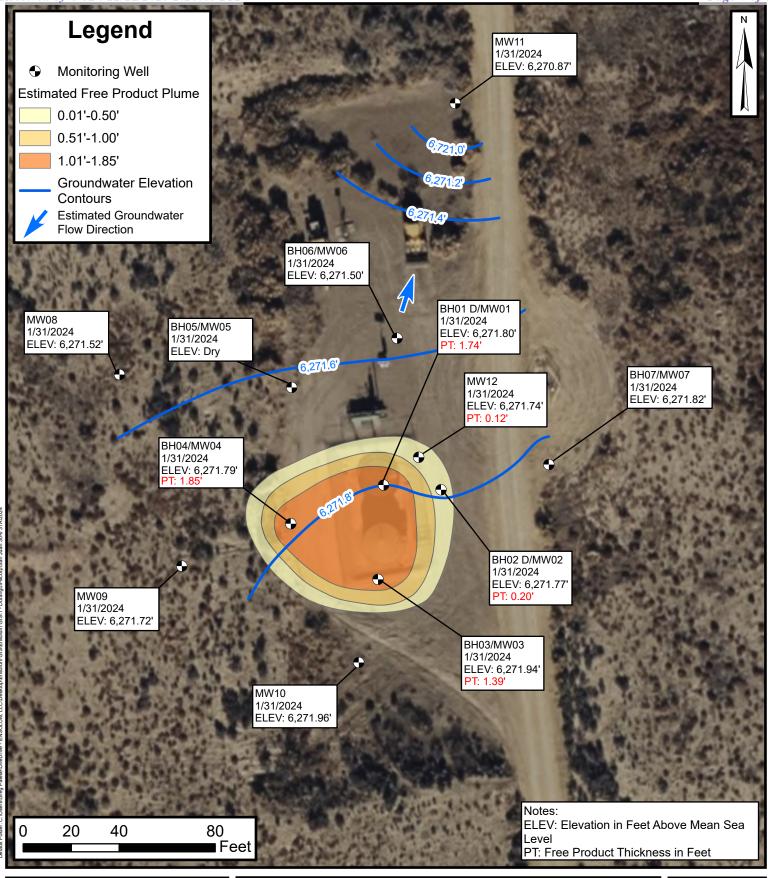




Site Map

San Juan 30-6 #31A Hilcorp Energy Company

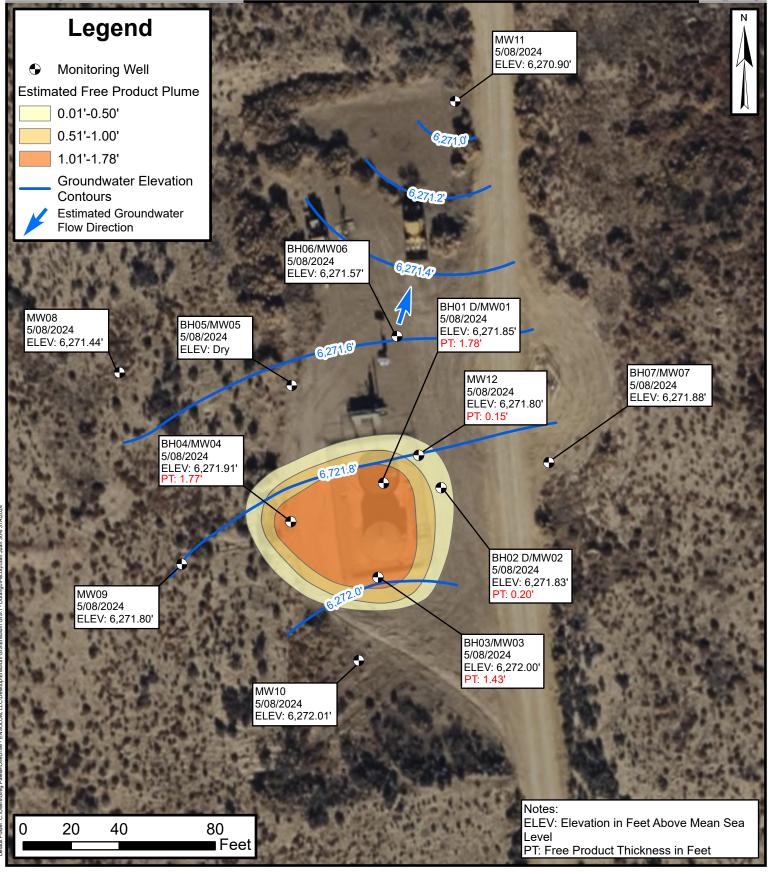
Unit F, Sec 33, T30N, R06W 36.77139, -107.47258 Rio Arriba County, New Mexico FIGURE





Groundwater Potentiometric Surface Map (January 2024)

San Juan 30-6 #31A Hilcorp Energy Company Unit F, Sec 33, T30N, R06W 36.77139, -107.47258 Rio Arriba County, New Mexico FIGURE



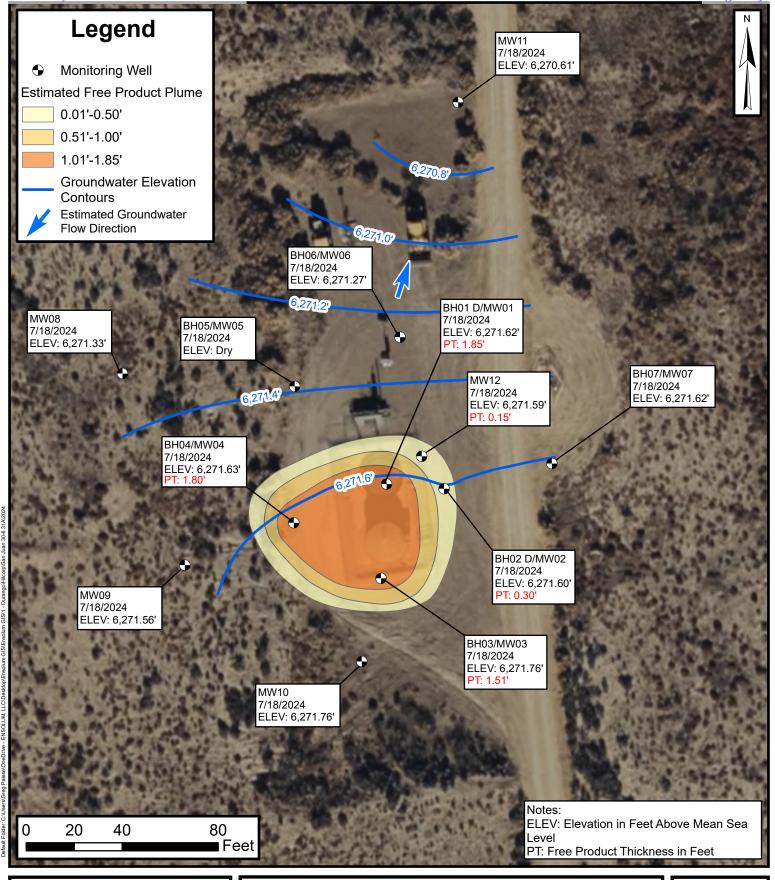


Groundwater Potentiometric Surface Map (May 2024)

San Juan 30-6 #31A Hilcorp Energy Company Unit F, Sec 33, T30N, R06W 36.77139, -107.47258

Rio Arriba County, New Mexico

FIGURE



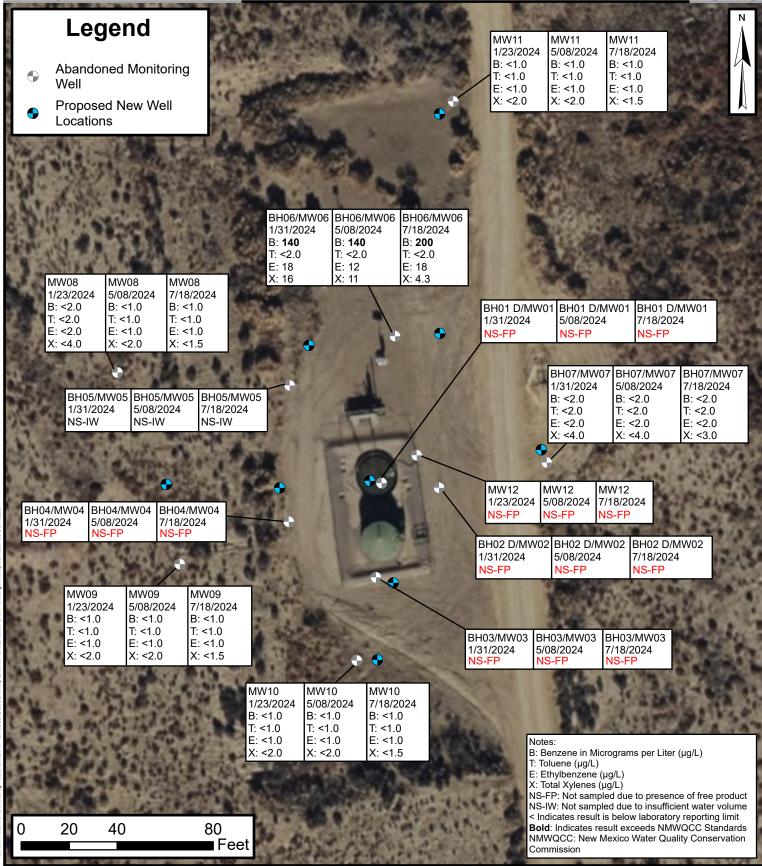


Groundwater Potentiometric Surface Map (July 2024)

San Juan 30-6 #31A Hilcorp Energy Company Unit F, Sec 33, T30N, R06W 36.77139, -107.47258

Rio Arriba County, New Mexico

FIGURE





Groundwater Analytical Results

San Juan 30-6 #31A Hilcorp Energy Company

Unit F, Sec 33, T30N, R06W 36.77139, -107.47258 Rio Arriba County, New Mexico FIGURE 6

Sources: Environmental Systems Research Institute (ESRI), Microsoft, Maxar, CNES



TABLES

ENSOLUM

No. Product	TABLE 1							
No.	GROUNDWATER ELEVATION SUMMARY San Juan 30.6 31A							
Top of Casing (rect ams)								
Meli December Creation Cr								
BH0IDMW01	Well ID	Elevation	•		Depth to Groundwater		Thickness	Elevation
BH01DMW01				6/2/2023	42.67	40.62	2.05	6,272.21
Single				12/19/2023	42.75	41.02	1.73	6,271.87
BHO2DMW02	BH01D/MW01	6,313.24	51.06					
BH02DAW02								.,
BH02D/MW02								'
BH02DMW02								
Signary Sign								· '
BH03/MW03	BH02D/MW02	6,312.40	44.90					
BH03/MW03								
BH09MW03								1 '
BH03/MW03								
Si82024								
BH04/NW04 6,315.56 47.19 6/270.23 44.82 42.93 1.89 6.272.25	BH03/MW03	6,315.61	46.66					· '
BH04/MW04 B								- 7
BH04/MW04 BH04/MW04 BH04/MW04 BH04/MW05 BH05/MW05 BH05/MW05 BH05/MW06								
BH04/MW04 BH04/MW04 BH04/MW04 BH04/MW04 BH04/MW05 BH05/MW05 BH05								
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BH05/MW05	BH04/MW04	6,315.56	47.19			l		
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BH05/MW05								'
BH05/MW05			3 40.50			t		
BH06/MW06 6,314.59 47.50 6/2/2023 42.70 6.271.58 6/2/2023 42.70 6.271.59 6.271.50 5/8/2024 43.01 6.271.57 6.271.57 7/18/2024 43.02 6.271.57 6.271.57 7/18/2024 43.02 6.271.57 6.271.57 7/18/2024 43.02 6.271.57 6.271.57 7/18/2024 43.02 6.271.57 6.271.57 7/18/2024 43.02 6.271.57 6.271.57 7/18/2024 44.55 6.271.27 6.271.81 7/18/2024 44.61 6.271.82 6.271.82 7/18/2024 44.61 6.271.82 6.271.82 7/18/2024 44.81 6.271.82 6.271.82 7/18/2024 44.81 6.271.82 6.271.82 7/18/2024 51.23 6.271.52 6.271.62 7/18/2024 51.31 6.271.33 6.271.42 7/18/2024 51.42 6.271.33 6.271.44 6.271.33 7/18/2024 51.42 6.271.33 6.271.62 7/18/2024 51.42 6.271.52 6.271.62 7/18/2024 51.42 6.271.52 6.271.63 7/18/2024 51.42 6.271.53 6.271.64 7/18/2024 51.42 6.271.56 7/18/2024 51.42	DHOE/MAA/OE	6 242 02						
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BH06/MW06 BH06/MW06 BH06/MW06 BH06/MW06 BH06/MW06 BH06/MW07 BH07/MW07 BH07/MW07 BH07/MW07 BH07/MW07 BH07/MW07 BH07/MW07 BH07/MW07 BH07/MW08 BH07/M				6/2/2023	42.70			6 271 80
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BH07/MW07				6/2/2023	44.25			6,272.18
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MW12 6,312.68 48.95 1/31/2024 41.04 40.92 0.12 6,271.74 5/8/2024 41.00 40.85 0.15 6,271.80	1414 4 1 1	0312.3	70.70			ł		1
MW12 6,312.68 48.95 5/8/2024 41.00 40.85 0.15 6,271.80		<u> </u>						
	MW12	6.312 68	48 95					
1710/2027 71.70 70.02 0.00 0,271.00		0,012.00	.5.55	7/18/2024	41.78	40.92	0.86	6,271.59

Notes:

AMSL: Above mean sea level BTOC: Below top of casing

--: Indicates no PSH measured

Groundwater elevation is adjusted using a density correction factor of 0.8 when product is present

Ensolum 1 of 1



TABLE 2 **GROUNDWATER ANALYTICAL RESULTS**

San Juan 30-6 31A Hilcorp Energy Company

Rio Arriba County, New Mexico									
Well ID	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)				
NMWQCC	Standards	5	1,000	700	620				
	6/2/2023		No Sample Collec	cted, PSH Present					
	12/19/2023	No Sample Collected, PSH Present							
BH01/MW01	1/31/2024	No Sample Collected, PSH Present							
	5/8/2024	No Sample Collected, PSH Present							
	7/18/2024		No Sample Collec	cted, PSH Present					
	6/2/2023		<u> </u>	cted, PSH Present					
	12/19/2023		No Sample Collec	cted, PSH Present					
BH02/MW02	1/31/2024		No Sample Collec	cted, PSH Present					
	5/8/2024		No Sample Collec	cted, PSH Present					
	7/18/2024		No Sample Collec	cted, PSH Present					
	6/2/2023		No Sample Collec	cted, PSH Present					
	12/19/2023		No Sample Collec	cted, PSH Present					
BH03/MW03	1/31/2024	No Sample Collected, PSH Present							
	5/8/2024	No Sample Collected, PSH Present							
	7/18/2024		No Sample Collec	cted, PSH Present					
	6/2/2023	No Sample Collected, PSH Present							
	12/19/2023	No Sample Collected, PSH Present							
BH04/MW04	1/31/2024	No Sample Collected, PSH Present							
	5/8/2024	No Sample Collected, PSH Present							
	7/18/2024		No Sample Collec	cted, PSH Present					
	6/2/2023		Wel	l Dry					
	12/19/2023		Wel	l Dry					
BH05/MW05	1/31/2024		Wel	l Dry					
	5/8/2024	Well Dry							
	7/18/2024		Wel	l Dry					
	6/2/2023	<2.0	<2.0	<2.0	<4.0				
	12/19/2023	140	<2.0	21	51				
BH06/MW06	1/31/2024	140	<2.0	18	16				
	5/8/2024	140	<2.0	12	11				
	7/18/2024	200	<2.0	18	4.3				
	6/2/2023	<2.0	<2.0	<2.0	<4.0				
	12/19/2023	<2.0	<2.0	<2.0	<4.0				
BH07/MW07	1/31/2024	<2.0	<2.0	<2.0	<4.0				
	5/8/2024	<2.0	<2.0	<2.0	<4.0				
7/18/2024 <2.0 <2.0 <2.0 <3									
	1/23/2024	<2.0	<2.0	<2.0	<4.0				
MW08	5/8/2024	<1.0	<1.0	<1.0	<2.0				
	7/18/2024	<1.0	<1.0	<1.0	<1.5				

Ensolum 1 of 2



TABLE 2

GROUNDWATER ANALYTICAL RESULTS

San Juan 30-6 31A

Hilcorp Energy Company Rio Arriba County, New Mexico

Well ID	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)
NMWQC	Standards	5	1,000	700	620
	1/23/2024	<1.0	<1.0	<1.0	<2.0
MW09	5/8/2024	<1.0	<1.0	<1.0	<2.0
	7/18/2024	<1.0	<1.0	<1.0	<1.5
	1/23/2024	<1.0	<1.0	<1.0	<2.0
MW10	5/8/2024	<1.0	<1.0	<1.0	<2.0
	7/18/2024	<1.0	<1.0	<1.0	<1.5
	1/23/2024	<1.0	<1.0	<1.0	<2.0
MW11	5/8/2024	<1.0	<1.0	<1.0	<2.0
	7/18/2024	<1.0	<1.0	<1.0	<1.5
_	1/23/2024		No Sample Colle	cted, PSH Present	
MW12	5/8/2024		No Sample Colle	cted, PSH Present	
	7/18/2024		No Sample Colle	cted, PSH Present	

Notes:

μg/L: Micrograms per liter

NMWQCC: New Mexico Water Quality Control Commission

PSH: Phase separated hydrocarbons

Concentrations in **bold** and shaded exceed the New Mexico Water Quality Control Commission Standards, 20.6.2 of the New Mexico Administrative Code

Ensolum 2 of 2

<: Indicates result less than the stated laboratory reporting limit (PQL)</p>



APPENDIX A

Groundwater Sampling Forms

Depth to Water: Time: Vol. of Water to Purge:	1-31-24 Hall BTEX 43.09 1250	3 A	Shi Total De	Matrix: Sample Time: pping Method: Depth of Well: pth to Product:	Groundwater 1308 Groundwater 17.50 or 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Method of Sampling:			(height of wa	iter column * 0.1631 fo	or 2" well or 0.6524 for 4" well) * 3 well vols
Time Vol. Removed 1255 1360 0.5 1304 0.5 1306 0.15	Total Vol. Removed (gallons)	pH (std. units) 6.98 7.41 7.67 7.69	Temp. (P) C 12.1 11.3 11.2 10.9	Conductivity (us or ns) 3.70 3.85 4.24 4.13	Comments boun/silty, no stem, no co
Comments:					
Describe Deviations Signature:					:1-31-24

	Groundw	vater Sample Collec	tion Form				
I Proiec	t Number	5) 30.6	31A	Pro	oject Location: Sampler:	Sun Jum Coopy NM Zuch Mysz	
	Analyses:	BIEX		Shi		Groundwater 1340 Lop of w/ 10011	
Depti	h to Water: Time:	1315		Total De	Depth of Well: pth to Product:	52.00	
	of Purging:		V	(beight of we	ater column * 0.1631 f	for 2" well or 0.6524 for 4" well) * 3 well vols	
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp.	Conductivity (us or ms)	Comments	
1326 1326 1333	1	2	7.49	12.2	4.17	SAA seen no	o de
1337	0.6	3.6	7.69	11.0	4.98	SAA	
Comments:							
Describe I	Deviations 1	from SOP:					
Signature:	7	M			Date	: 1-31-24	

		_		_		
己	N	S	0	1_	U	M

Groundwater Sample Collection Form

Project Name:	San Juan 30-6-31A	
Project Number:	07A1988062	
	14.1	

Laboratory: Eurofins Albuquerque
Analyses: BTEX

Depth to Water: 51.19

Project Location: San Juan 30-6-31A

Sampler: RH/PA

Matrix: Groundwater
Sample Time: U., 45
Shipping Method: Hand Delivery

The State of Marie Delivery

Total Depth of Well: 34,39

Depth to Product: —

Vol. of Water to Purge: 1.57

Method of Purging: Baile

Method of Sampling:

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp.	Conductivity (us or 667)	Comments
	0,25	0.25	6.66	12.7	5.63	Mostly clear
1036	0.25	.5	7.05	12.9	5.46	Mostly clear No sher/odur SIF. Murky ton No S/O
1039	0.5	1.0	7.37	13.2	5.40	SAA
1041	0.5	1.5	7.47	13.3	5.40	SAA
1042	0.5	2.0	7.61	13.3	5.39	SAA me sity sm
					X	
						2
			1.5			

Comments:	Good	recharge	2	

Describe Deviations from SOP:

Signature:

Date: 1/23/24

				己	EN	SOLUM
	Ground	vater Sample Colle	ction Forn	1	_	
Pro	ject Number: Sample ID: Sample Date:	Eurofins Albuquerque BTEX 49.86		- Sh	Sampler: Matrix: Sample Time: ipping Method:	Groundwater 17:22 Hand Delivery
Method	ater to Purge: d of Purging: of Sampling:	2.22 Bailer Bailer		(height c	of water column * 0.163	1 for 2" well or 0.6524 for 4" well) * 3 well vols
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1/://	0.5	0.5	6.6	12.5	5.71	SILTY BOWN N Scan/Goo
11.13	6.5	1.0	7.18	13.2	5.74	
11:13	0.5	15	7.33	13.3	5.75	Y
11:20	0.5	2.0	7.53	13.3	5.75	0
				•		
Comments:	Comments: re-charged u/ clearish were fer sampling					
Describe I	Describe Deviations from SOP: Well Begin to bail Dry @ 2gal					
Signature:	Date: 1/23/24					

口		M	S	0	11	M
	A Comment					

Groundwater Sample Collection Form

Project Name	San Juan 30-6-31A	Project Location: San Juan 30-6-31A
Project Number:	07A1988062	Sampler: RH/PA
Sample ID:	MWID	Matrix: Groundwater
Sample Date:	1/23/2024	Sample Time: 1200
Laboratory:	Eurofins Albuquerque	Shipping Method: Hand Delivery
Analyses:	BTEX	
Depth to Water:	41.03	Total Depth of Well: 48.20
Time:	12:00	Depth to Product:
	35	
Vol. of Water to Purge:		(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vol
Method of Purging:	Ballo	
Method of Sampling:	Buller	

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us o ms)	Comments
11.45	1.0	1.0	6.12	12.0	5.25	Brown Sitty No oder/Seen
'		2.0	7.21	12.8	5.26	SAA
11:55	0.5	2.5	7.56	12.8	5.28	SAA
11:57	0.5	3.0	7.66	12.8	5.27	Signt less silty SA
11:58	0.5	3.5	7.69	12.7	5.28	SAA
				1 20		98
			le			
					-	

Comments:	
Describe Deviations from SOP:	
Signature:	Date: 1/23/24

		•			EN S	SOLUM
	Groundw	vater Sample Collec	ction Form		ř	
		San Juan 30-6-31A 07A1988062		Pro	oject Location: Sampler:	San Juan 30-6-31A RH/PA
	Sample ID:					Groundwater
S	ample Date:			Shi	Sample Time: pping Method:	
	Analyses:					
Dep	th to Water: Time:				Depth of Well: pth to Product:	49.70
		4.08				
Method	ter to Purge: l of Purging:	Baller		(height of	water column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
Method o	of Sampling:	Baile				
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
12:18	1.0	1.0	6.34	12.5	4.78	No SO
12:21	1.0	2.0	7.18	12.8	4.75	SAA
12:24	1.0	3.0	7.57	13.1	4.75	SAA
12:30	1.0	4.0	7.73	13.1	4.75	
), reg				
		-				
						,
Comments:						

mments:	
escribe Deviations from SOP:	4
ignature:	Date: 1/23/24

Pr Proj							
	roject Name: ect Number:	San Juan 30-6-31A 07A1988062		- Pr	oject Location: Sampler:		30-6-31A
	Sample ID:	MW06		_		Groundy	vater
S	Sample Date: Laboratory:	5/8/2024 Eurofins Albuquerque	e	- Shi	Sample Time: pping Method:		
	Analyses:						
Dep	oth to Water: Time:	1320			Depth of Well: pth to Product:		20
Method	ter to Purge: l of Purging: of Sampling:	Bailer		(height of w	vater column * 0.1631	for 2" well or (0.6524 for 4* well) * 3 well vo
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp.	Conductivit y (us or ms))	Comments WS
	1.0	1.0	6.98	57.6	5.25	first	SIty Brown
	0.5	1.5	6.96	56.4	5.24	511	No brown
	0.5	2.0	6.97	56.5	5.12	1722	
	0.25	225	697	56.8	5.09		1
18					gade of a	E. string (a)	
				**	h. ?		
			5 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	· · · · · · · · · · · · · · · · · · ·			
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ments:					ė.		
				V.			
scribe D	eviations fro	om SOP:			2 VY		49

	Grounde	vater Sample Collec	ction Form	_	EN:	SOLUM			
Proj S	Project Name: San Juan 30-6-31A Project Number: 07A1988062 Sample ID: MW07 Sample Date: 5/8/2024 Laboratory: Eurofins Albuquerque Analyses: BTEX Depth to Water: Time: 44.55 Vol. of Water to Purge: Method of Purging: Bailer Method of Sampling: Grab				Project Location: San Juan 30-6-31A Sampler: PA Matrix: Groundwater Sample Time: 15 15 Hand Delivery Total Depth of Well: 52.00 Depth to Product: 52.00 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols				
Vol. of Wa									
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp.	Conductivit y (us or ms)	Comments			
	1.0	1	7.25	57.4	5.10	4			
	1.0	2	6.99	560	5.06				
	1.0	3	7.13	55.9	4.99	***			
	05	35	7.05	560	4.92				
	0.25	3.75	7.07	55.8	4.90				
	0,25	A							
			ï		v refr				
				180	4.				
						K			
			4,8						
Comments	"								
Describe	Deviations f	rom SOP:							
Signature	::	A		181	Date	:5/8/24			

	Ground	water Sample Collec	ction Form		EN:	SOLUM		
Proj S	Project Name: San Juan 30-6-31A Project Number: 07A1988062 Sample ID: MW 08 Sample Date: 5/8/2024 Laboratory: Eurofins Albuquerque BTEX Depth to Water: Time: 1/30				Project Location: San Juan 30-6-31A Sampler: PA Matrix: Groundwater Sample Time: 1205 Hand Delivery Total Depth of Well: 54.39 Depth to Product:			
Method	ter to Purge: of Purging: of Sampling:	Bailer				or 2" well or 0.6524 for 4" well) * 3 well vols		
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us or ms)	Comments		
	0.25	0.25	6.21	61.1	5,48	Some Silts		
	0,25	0.5	6.70		5.39	SAA		
	0.25	0.75		57.2		SAA		
	0.25		94	57.0	5,42			
	0.5	1.5	6.97	56.4	5.41			
	0.25	1.75	6,99	56.1	5.39			
	0.2	1.95	7.00	55.8	5.42	V		
					, i.	1.50		
					Si.	2		
Comments:					4	lans.		
						A .		
Describe I	Deviations fi	om SOP:				<u>.</u>		
Signature:	10	7			Date:	5/8/24		

E	N	S	0	L	U	M

Groundwater Sample Collection Form

Project Name:	San Juan 30-6-31A	
Project Number	0741988062	

Sample ID: MWO O

Laboratory: Eurofins Albuquerque Analyses: BTEX

Depth to Water:

Time: 1210

Project Location: San Juan 30-6-31A

Sampler: PA

Matrix: Groundwater

Sample Time: 1230 Shipping Method: Hand Delivery

Total Depth of Well: Depth to Product:

Vol. of Water to Purge:

Method of Purging: Bailer

Method of Sampling: Grab

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us or ms)	Comments
*	0.5	6.5		56.9	6.57	NO S/O Silty Brown
,	0.5	1.0	6.93	56.1	5.90	SAA
	0.5	1.5	7.03	56.0	5.88	3
	0.5	20	7.05		5.88	Z de
	6,25	2.25	7.09	56.3	5.88	Variable
			8	5		
					A A A	
			,			
		. 50				

Comn	nents:
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Describe Deviations from SOP:

Signature:

P	roject Name:	San Juan 30-6-31A		Pro	oject Location:	San Juan	30-6-31A
Proj	ect Number:	07A1988062			Sampler:	PA	
S	Sample Date:	Eurofins Albuquerque		Ship	Matrix: Sample Time: pping Method:		5
Dep		40.98			Depth of Well: oth to Product:		0
Method	ter to Purge: I of Purging: of Sampling:	Bailer	q	(height of w	rater column * 0.1631 (for 2" well or 0.	6524 for 4" well) * 3 well vo
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us o ms)	1.5	Comments
-	1.0	1.0	7.3	57.0	5.22	NO	10 Silts Bou
	1.0	2.0	300	56.2	5.29	3	AA
	1.0	30	7,03	563	5.25		
	05	35	7.02	55.9	5.28	4-5294	
C. All		, <u>6</u> 2	* 13.6°		A Park	(a)	
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	1/2			The state of	S. S		
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	C1	Garage Calle	otion Form		EN	SOLUM
	Groundy	vater Sample Colle	cuon Forn	1	•	
		San Juan 30-6-31A 07A1988062	,	Pro	oject Location: Sampler:	San Juan 30-6-31A PA
	ample Date:			- 61:	Sample Time:	
	Analyses: oth to Water:	111 110				Hand Delivery
	Time:			Dep	pth to Product:	
Method	ter to Purge: of Purging: of Sampling:	Bailer		(height of w	rater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp.	Conductivit y (us or ms)	Comments
	1.6	70 1.0	7,00	576	4.80	NO S/O Bity Brown
	1.0	2.0	0.95	56.4	4.79	SAA
	1-0	3.0	6.98	561	4.78	
	1.0	4.0	6.96	56.5	4.75	V
						i'n
				6 m 1 4 6	- Ary	
				,		
					W	A
Comments:						
Describe D	eviations fr	om SOP:				
Signature:	RA			4	Date:	5/8/24
-	0			7.00		

	Ground	vater Sample Colle	ction Forn		EN	SOLUM	
Project Name: SJ 30-6 31A Project Number: Sample ID: MW- 06 Sample Date: 7/18/2024 Laboratory: Eurofins Albuquerque Analyses: BTEX Depth to Water: 43.32 Time: 1200 Vol. of Water to Purge: Method of Purging: Method of Sampling: Grab			Project Location: Rio Arriba County, NM Sampler: PA Matrix: Groundwater Sample Time: 72 Shipping Method: Hand Delivery Total Depth of Well: 47.5 Depth to Product: 47.5 (beight of water column * 0.1631 for 2* well or 0.6524 for 4* well) * 3 well volume of the same o				
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us or ms)	Comments	
	0 .5	05	7.08	59.9	4.94	15+ Clear NO 5/6	
	0.5	1.0	6.95	58.5	5.01	Sity Blown	
	0.5	15	7.09	58.1	5.01	SAA	
	05	2.0	6.96	58.4	4.96	SAR	
				= <u>_</u> <u>=</u>			
		£*			, - a		
					Y	54	
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					¥	1	
				ı		9	
omments:							
Describe D	eviations fr	om SOP:					
ignature:				8	Date:	7/18/24	

Pr	oject Name:	SJ 30-6 31A				Rio Arriba County, NM
rioj	Sample ID:	MW- 07			Sampler:	
S	ample Date:	7/18/2024 Eurofins Albuquerque			Sample Time:	
	Analyses:	BTEX	; 	Ship	pping Method:	Hand Delivery
Dep	th to Water: Time:	44.81 1240		Total I	Depth of Well: oth to Product:	5:
Method	ter to Purge: of Purging: of Sampling:	3.5 gal Bailer Grab		(height of w	ater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vo
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us or ms)	Comments
	1.0	1	7.16	59.7	4.86	NO S/O SILLY Brown
	1.0	2	7.04	57.7	4.76	1
	1.0	3	7.03	57.5	4.52	
	0.5	3.5	7.08	57.9	4.56	U
					-B ₃ , 13	P
4						
		0				
		, pi			T H	
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						Fig. 2%
mments:	Casi			e be	nt a	Jown to GW
iba l	Deviations fr	om SOP:			, <u>)</u> ,	· .

	Ground	vater Sample Colle	ction Form		EN	SOL	U M	
Project Name: SJ 30-6 31A Project Number: Sample ID: MW- 08 Sample Date: 7/18/2024 Laboratory: Eurofins Albuquerque Analyses: BTEX Depth to Water: 5/. 42 Time: 43-5 WC: 2.97 Vol. of Water to Purge: Method of Purging: Bailer Method of Sampling: Grab			Shi Total De					
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us o ms)	Commo	ents	
	0.5	0.5	5.54	60.9	5.54	1st baller	Cleas Very Sity	Bown
	0.5	1.0	7.18	59.3	4.34	Brown,	Silta	
	0.25	1.25	7.12	58.4	5,31			
	0.25	1.5	7.19	58.2	528	V		
	5 1	MA						
Comments:	5 1	1015						8
Describe 1	Deviations f	rom SOP:						
Signature:	PA				Date:		7/18/2024	

	Ground	vater Sample Colle	ction Forn		EN	SOLUM
		SJ 30-6 31A		Pro	oject Location: Sampler:	Rio Arriba County, NM PA
S	Sample ID: sample Date: Laboratory: Analyses:	7/18/2024 Eurofins Albuquerque	•	- Shi	Sample Time:	Groundwater /0 45 Hand Delivery
		50.06 1015		Total De	Depth of Well: pth to Product:	54.4
Method	ter to Purge: of Purging: of Sampling:	Bailer		(height of w	rater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us or ms)	Comments
	05	0.5	7.14	60.4	6.05	
	0.5	1.0	7.28	60,0	5.81	
	05	20	We	H B	alling I	pk elgy
			a	m,	mored	
Comments:						
Describe I	Describe Deviations from SOP: See Above Comment					
Signature:	PA				Date:	7/18/2024

	Groundw	vater Sample Colle	ction Form		EN:	SOLUM		
		SJ 30-6 31A		Pro	oject Location: Sampler:	Rio Arriba County, NM		
Sample ID: MW- 10 Sample Date: 7/18/2024 Laboratory: Eurofins Albuquerque			Matrix: Groundwater Sample Time: Shipping Method: Hand Delivery					
Dep	Analyses: oth to Water: Time:	41.23		Total 1	Depth of Well: pth to Product:	48.20 344		
Vol. of Water to Purge: Method of Purging: Method of Sampling: Grab (height of water column * 0.1631 for 2* well or 0.6524 for 4* well) * 3 well vols								
Time	Vol. Removed	Total Vol. Removed	pH (std. units)	Temp. (F)	Conductivit y (us or ms)	Comments		
	1.0/	→ 1.0	7.09	58.8	5.16	NO S/O SIH bown		
	2.0	1.0	7.37	56.9	5.14			
	3.0	1,0	7.05	56.6 56.6	5.11			
	335	05	7.07	56.6	5.16	V		
	10 mm 1 m			9				
		£						
						4 1		
						\$		
Comments:	Comments:							
Describe I	Deviations fr	rom SOP:						
Signature:	P				Date:	7/18/2024		

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	C	2	M
1			

	Groundy	vater Sample Collec	ction Form	1		
Pr Proje	oject Name: ect Number:	SJ 30-6 31A		Pro	oject Location: Sampler:	Rio Arriba County, NM PA
	Sample ID:					Groundwater
	ample Date: Laboratory:	7/18/2024 Eurofins Albuquerque	;	Ship	Sample Time: pping Method:	Hand Delivery
	Analyses:					
Dep	th to Water: Time:	41.69		Total I	Depth of Well: oth to Product:	49.7
Vol. of Wat Method	ter to Purge: of Purging: of Sampling:	Bailer	4/	(height of w	ater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us or ms)	Comments
	1.5	1.5	7.32	61.0	4.73	10 5/0 5/4/ Bow
	1.0	2.5	6.845	57.8	4.69	SAA
	105	13.80 PM	7.09	57.7	470	Bailors 1/2
	25	4.75	6.95	57.8	4.69	V
						9
			vi		16	
			XX- 1			7
				15	7.0	130
Comments:			?			
Describe I	Deviations fi	rom SOP:				
Signature:			9		Date:	7/18/2024

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APPENDIX B

Groundwater Sample Laboratory Analytical Reports



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

January 30, 2024

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733

FAX:

RE: San Juan 30 6 31A OrderNo.: 2401944

Dear Kate Kaufman:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 1/24/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2401944

Date Reported: 1/30/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW08

 Project:
 San Juan 30 6 31A
 Collection Date: 1/23/2024 10:45:00 AM

 Lab ID:
 2401944-001
 Matrix: GROUNDWA
 Received Date: 1/24/2024 7:15:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	2.0	D	μg/L	2	1/25/2024 12:37:41 AM
Toluene	ND	2.0	D	μg/L	2	1/25/2024 12:37:41 AM
Ethylbenzene	ND	2.0	D	μg/L	2	1/25/2024 12:37:41 AM
Xylenes, Total	ND	4.0	D	μg/L	2	1/25/2024 12:37:41 AM
Surr: 4-Bromofluorobenzene	83.3	52.4-148	D	%Rec	2	1/25/2024 12:37:41 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range
Orting Limit Page 1 of 5

Date Reported: 1/30/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW09

 Project:
 San Juan 30 6 31A
 Collection Date: 1/23/2024 11:22:00 AM

 Lab ID:
 2401944-002
 Matrix: GROUNDWA
 Received Date: 1/24/2024 7:15:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 1.0 μg/L 1 1/25/2024 1:01:44 AM Toluene ND 1.0 μg/L 1 1/25/2024 1:01:44 AM Ethylbenzene ND μg/L 1 1/25/2024 1:01:44 AM 1.0 Xylenes, Total ND 2.0 μg/L 1 1/25/2024 1:01:44 AM Surr: 4-Bromofluorobenzene 52.4-148 %Rec 86.4 1 1/25/2024 1:01:44 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 5

Date Reported: 1/30/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW10

Project: San Juan 30 6 31A Collection Date: 1/23/2024 12:00:00 PM 2401944-003 Lab ID: Matrix: GROUNDWA **Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	1.0	μg/L	1	1/24/2024 5:05:48 PM
Toluene	ND	1.0	μg/L	1	1/24/2024 5:05:48 PM
Ethylbenzene	ND	1.0	μg/L	1	1/24/2024 5:05:48 PM
Xylenes, Total	ND	2.0	μg/L	1	1/24/2024 5:05:48 PM
Surr: 4-Bromofluorobenzene	83.3	52.4-148	%Rec	1	1/24/2024 5:05:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- RL Reporting Limit

Sample pH Not In Range Page 3 of 5

Date Reported: 1/30/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW11

 Project:
 San Juan 30 6 31A
 Collection Date: 1/23/2024 12:35:00 PM

 Lab ID:
 2401944-004
 Matrix: GROUNDWA
 Received Date: 1/24/2024 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	1.0	μg/L	1	1/24/2024 5:29:31 PM
Toluene	ND	1.0	μg/L	1	1/24/2024 5:29:31 PM
Ethylbenzene	ND	1.0	μg/L	1	1/24/2024 5:29:31 PM
Xylenes, Total	ND	2.0	μg/L	1	1/24/2024 5:29:31 PM
Surr: 4-Bromofluorobenzene	85.2	52.4-148	%Rec	1	1/24/2024 5:29:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401944**

30-Jan-24

Client: HILCORP ENERGY
Project: San Juan 30 6 31A

Sample ID: 2401944-001ams	Samp	Гуре: МЅ	;	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: MW08	Batcl	Batch ID: BW102647			RunNo: 102647					
Prep Date:	Analysis [Date: 1/2	25/2024	5	SeqNo: 37	792812	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	35	2.0	40.00	0.4000	86.1	70	130			D
Toluene	35	2.0	40.00	0	88.4	70	130			D
Ethylbenzene	36	2.0	40.00	0	89.3	70	130			D
Xylenes, Total	110	4.0	120.0	0.6920	88.8	70	130			D
Surr: 4-Bromofluorobenzene	36		40.00		89.0	52.4	148			D

Sample ID: 2401944-001amsd	SampT	ype: MS	SD .	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: MW08	Batch	n ID: BW	/102647	F	RunNo: 10	02647				
Prep Date:	Analysis D	Date: 1/2	25/2024	5	SeqNo: 37	792813	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	34	2.0	40.00	0.4000	83.1	70	130	3.45	20	D
Toluene	34	2.0	40.00	0	85.4	70	130	3.48	20	D
Ethylbenzene	35	2.0	40.00	0	86.6	70	130	3.08	20	D
Xylenes, Total	110	4.0	120.0	0.6920	87.6	70	130	1.31	20	D
Surr: 4-Bromofluorobenzene	35		40.00		87.6	52.4	148	0	0	D

Sample ID: 100ng btex Ics	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: LCSW	Batcl	Batch ID: BW102647 RunNo: 102647								
Prep Date:	Analysis D	Date: 1/2	24/2024	5	SeqNo: 37	792819	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	90.9	70	130			
Toluene	18	1.0	20.00	0	91.2	70	130			
Ethylbenzene	18	1.0	20.00	0	92.2	70	130			
Xylenes, Total	56	2.0	60.00	0	92.8	70	130			
Surr: 4-Bromofluorobenzene	18		20.00		91.2	52.4	148			

Sample ID: mb	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBW	Batch	Batch ID: BW102647 RunNo: 102647								
Prep Date:	Analysis D	ate: 1/2	24/2024	5	SeqNo: 37	792820	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	18		20.00		89.0	52.4	148			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5

Environment Testin

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com Sample Log-In Check List

Released to Imaging: 12/11/2025 3:24:06 PM

Client Name:	Hilcorp Ene	ergy	Work	Order Numb	er: 2401944		RcptNo: 1	
Received By:	Tracy Cas	arrubias	1/24/20	24 7:15:00 A	М			
Completed By:	Tracy Cas	arrubias	1/24/20	24 8:42:34 A	М			
Reviewed By:	70/2	4/24						
Chain of Cust	tody							
1. Is Chain of Cu	stody comp	lete?			Yes 🗌	No 🗹	Not Present	
2. How was the s	sample deliv	ered?			<u>Courier</u>			
Log In					7.00 <u>-</u>			
3. Was an attem	pt made to o	cool the samp	les?		Yes 🗹	No 🔲	NA 🗌	
4. Were all samp	les received	at a tempera	ture of >0° C	to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
5. Sample(s) in p	oroper conta	iner(s)?			Yes 🗹	No 🗌		
6. Sufficient sam	ple volume f	or indicated te	est(s)?		Yes 🗸	No 🗌		
7. Are samples (e	except VOA	and ONG) pro	perly preserve	ed?	Yes 🗸	No 🗌		
8. Was preservat	ive added to	bottles?			Yes 🗌	No 🗹	NA 🗆	
9. Received at lea	ast 1 vial wit	h headspace	<1/4" for AQ \	OA?	Yes 🗸	No 🗌	NA 🗌	
10. Were any sam	nple containe	ers received b	roken?		Yes	No 🗹	# of preserved	
11. Does paperwo (Note discrepa)		Yes 🗸	No 🗌	bottles checked for pH:	unless noted)
12. Are matrices c	orrectly iden	tified on Chai	п of Custody?		Yes 🗸	No 🗌	Adjusted?	
13. Is it clear what	analyses w	ere requested	?		Yes 🗸	No 🗌	011	1 1/24
14. Were all holdin (If no, notify cu	_				Yes 🗸	No 📙	Checked by JU	7/ ([0]
Special Handli	ing (if app	olicable)						
15. Was client not	tified of all d	iscrepancies v	with this order?	•	Yes 🗌	No 🗌	NA 🗸	
Person	Notified:			Date:				
By Who	m:	Г		Via:	eMail	Phone Fax	☐ In Person	
Regardi	ng:							
Client In	structions:	Mailing addre	ess and phone	number are	missing on CO	OC- TMC 1/24/24		
16. Additional rer	narks:							
17. Cooler Inform	mation							
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By		
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Chain-of-Custody Record	Turn-Around Time:	125/24				1	0	NIMENITAL	
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lress:	San Jean 30-6	#214	4901 H	4901 Hawkins NE		ndner	que, NI	- Albuquerque, NM 87109	
	Project #:		Tel. 50	505-345-3975	13	Fax 50	505-345-4107	4107	
Phone #:					Analysis		Request		
email or Fax#: Kkor Fynn Okil corp. Cor	Project Manager: 5 +2 - 1 + 2	14.2	(0)		†OS		(jue		
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	Cooler Temp(including CF): . L . C	0.1=1.3 (°C)	ası.						
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Date: Time: Relinquished by:	Received by: Via: (QUINC)	Date Time 1/24/24 7:15	7		panlus	, Ş	-	a dust 10	
if necessary, samples submitted to Hall Environmental may be subcontracted to other accredited taboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	ubcontracted to other accredited laboratories.	This serves as notice of this	possibility. Any s	ub-contracte	data will b	e clearly	notated or	the analytical report.	ì

Released to Imaging: 12/11/2025 3:24:06 PM



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 14, 2024

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733

FAX:

RE: San Juan 30 6 31A OrderNo.: 2402012

Dear Mitch Killough:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 2/1/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2402012**Date Reported: **2/14/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW06

 Project:
 San Juan 30 6 31A
 Collection Date: 1/31/2024 1:08:00 PM

 Lab ID:
 2402012-001
 Matrix: AQUEOUS
 Received Date: 2/1/2024 6:55:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene 140 2.0 2 2/6/2024 5:47:45 PM μg/L Toluene ND μg/L 2 2/6/2024 5:47:45 PM 2.0 Ethylbenzene 2 μg/L 2/6/2024 5:47:45 PM 18 2.0 Xylenes, Total 2 16 4.0 μg/L 2/6/2024 5:47:45 PM Surr: 4-Bromofluorobenzene 93.2 52.4-148 %Rec 2 2/6/2024 5:47:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 2/14/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW07

Project: San Juan 30 6 31A **Collection Date:** 1/31/2024 1:40:00 PM

Lab ID: 2402012-002 **Matrix:** AQUEOUS **Received Date:** 2/1/2024 6:55:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	2.0	D	μg/L	2	2/6/2024 6:11:39 PM
Toluene	ND	2.0	D	μg/L	2	2/6/2024 6:11:39 PM
Ethylbenzene	ND	2.0	D	μg/L	2	2/6/2024 6:11:39 PM
Xylenes, Total	ND	4.0	D	μg/L	2	2/6/2024 6:11:39 PM
Surr: 4-Bromofluorobenzene	89.7	52.4-148	D	%Rec	2	2/6/2024 6:11:39 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2402012 14-Feb-24**

Client: HILCORP ENERGY
Project: San Juan 30 6 31A

Sample ID: mb	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBW	Batch	n ID: BA	102890	F	RunNo: 10	02890				
Prep Date:	Analysis D	ate: 2/ 0	6/2024	5	SeqNo: 38	801983	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	17		20.00		84.8	52.4	148			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Environment Testin

Eurofins Environment Testing South Central, LLC

4901 Hawkins NE Albuquerque, NM 87109 Sample Log-In Check List

Released to Imaging: 12/11/2025 3:24:06 PM

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Client Name: HILCORP ENERGY Work Ord	er Number: 2402012 RcptNo: 1	
Received By: Tracy Casarrubias 2/1/2024 6:	55:00 AM	
Completed By: Tracy Casarrubias 2/1/2024 9:	04:24 AM	
Reviewed By: M 2-1-24		
Chain of Custody		
1. Is Chain of Custody complete?	Yes ☐ No 🗹 Not Present ☐	
2. How was the sample delivered?	<u>Courier</u>	
<u>Log In</u>	_	
3. Was an attempt made to cool the samples?	Yes ☑ No ☐ NA ☐	
4. Were all samples received at a temperature of >0° C to 6.	0°C Yes ☐ No 🗹 NA ☐	
-	Samples not Frozen	
5. Sample(s) in proper container(s)?	Yes ✓ No 🗌	
6. Sufficient sample volume for indicated test(s)?	Yes ☑ No □	
7. Are samples (except VOA and ONG) properly preserved?	Yes 🗹 No 🗌	
8. Was preservative added to bottles?	Yes ☐ No ☑ NA ☐	
9. Received at least 1 vial with headspace <1/4" for AQ VOA	Yes ☑ No ☐ NA ☐	
10. Were any sample containers received broken?	Yes ☐ No ✔ # of preserved	
44.5	bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✓ No ☐ for pH: (<2 or >12 unless	s noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ✓ No ☐ Adjusted?	
13. Is it clear what analyses were requested?	Yes ✓ No 🗌	Mar
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✓ No ☐ Checked by: 1/2	11120
Special Handling (if applicable)		
15. Was client notified of all discrepancies with this order?	Yes ☐ No ☐ NA 🗹	
Person Notified:	Date:	
By Whom:	Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person	
Regarding:		
Client Instructions:		
16. Additional remarks:		
17. Cooler Information		
	al No Seal Date Signed By	
1 -0.8 Good Yes You	ji	

Received by OCD: 12/11/2025 2:28:45 PM

Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONMENTAL
Olient: Live Am Cote Kingman	☑ Standard □ Rush	
1 Kas Lynan @ h. losto. com	0	www.hallenvironmental.com
	Jan Juan 50-+ VIA	4901 Hawkins NE - Albuquerque, NM 87109
	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #:		sis Requ
email or Fax#:	Project Manager: Stoart Holos	os so√s
QA/QC Package: □ Standard □ Level 4 (Full Validation)	shyde ensolum.com	OSIWS
Accreditation: Az Compliance NELAC Other	Sampler: Zech Wye >	2808/8888888888888888888888888888888888
□ EDD (Type)	# of Coolers:	bor 3310 Beta NO (A)
	Cooler Temp(including CF): - 0.7 - 0.1 0.8 (°C)	on Senting National Senting Se
Semple Name	Container Preservative 74,02012	BTEX, BTEX, BOB1 F BCRA CI, F, CI, F, Total (
Matilix	100	
1210 VET	3 3	
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1 1000	I To solice as a remark of the service as notice of the	as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: (2/11/2025~3.24:06~PM)

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

Generated 5/24/2024 11:20:56 AM

JOB DESCRIPTION

San Juan 30-6 31A

JOB NUMBER

885-4277-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

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

Authorization

Generated 5/24/2024 11:20:56 AM

Authorized for release by Andy Freeman, Business Unit Manager andy.freeman@et.eurofinsus.com (505)345-3975

Laboratory Job ID: 885-4277-1

Client: Hilcorp Energy Project/Site: San Juan 30-6 31A

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Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

Glossary

MDC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	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)

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

NC Not Calculated

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

Minimum Detectable Concentration (Radiochemistry)

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

Eurofins Albuquerque

Case Narrative

Client: Hilcorp Energy Job ID: 885-4277-1 Project: San Juan 30-6 31A

Eurofins Albuquerque Job ID: 885-4277-1

Job Narrative 885-4277-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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
- 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 5/10/2024 7:45 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 4.9°C.

GC VOA

Method 8021B: The following sample was diluted due to the nature of the sample matrix: MW06 (885-4277-1). Elevated reporting limits (RLs) are provided.

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

Eurofins Albuquerque

Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW06 Lab Sample ID: 885-4277-1

Date Collected: 05/08/24 13:35 Matrix: Water

Date Received: 05/10/24 07:45

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Benzene	140	2.0	ug/L			05/13/24 22:45	2			
Ethylbenzene	12	2.0	ug/L			05/13/24 22:45	2			
Toluene	ND	2.0	ug/L			05/13/24 22:45	2			
Xylenes, Total	11	4.0	ug/L			05/13/24 22:45	2			
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	98	43 - 158		_		05/13/24 22:45				

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Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW07 Lab Sample ID: 885-4277-2

Date Collected: 05/08/24 15:15 Matrix: Water

Date Received: 05/10/24 07:45

Method: SW846 8021B - Volat	ile Organic Compounds (G	C)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND	2.0	ug/L			05/14/24 00:19	2
Ethylbenzene	ND	2.0	ug/L			05/14/24 00:19	2
Toluene	ND	2.0	ug/L			05/14/24 00:19	2
Xylenes, Total	ND	4.0	ug/L			05/14/24 00:19	2
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94	43 158		_		05/14/24 00:19	

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Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW08 Lab Sample ID: 885-4277-3

Date Collected: 05/08/24 12:05 Matrix: Water

Date Received: 05/10/24 07:45

Method: SW846 8021B - Volati	ne Organic Comp	ourius (GC)	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/14/24 00:42	1
Ethylbenzene	ND		1.0	ug/L			05/14/24 00:42	1
Toluene	ND		1.0	ug/L			05/14/24 00:42	1
Xylenes, Total	ND		2.0	ug/L			05/14/24 00:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		43 - 158		-		05/14/24 00:42	1

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Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW09 Lab Sample ID: 885-4277-4

Date Collected: 05/08/24 12:30 Matrix: Water

Date Received: 05/10/24 07:45

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND		1.0	ug/L			05/14/24 01:06	1
Ethylbenzene	ND		1.0	ug/L			05/14/24 01:06	1
Toluene	ND		1.0	ug/L			05/14/24 01:06	1
Xylenes, Total	ND		2.0	ug/L			05/14/24 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		43 - 158		-		05/14/24 01:06	1

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Eurofins Albuquerque

Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW10 Lab Sample ID: 885-4277-5

Date Collected: 05/08/24 13:05 Matrix: Water

Date Received: 05/10/24 07:45

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Benzene	ND ND	1.0	ug/L			05/14/24 01:29	1			
Ethylbenzene	ND	1.0	ug/L			05/14/24 01:29	1			
Toluene	ND	1.0	ug/L			05/14/24 01:29	1			
Xylenes, Total	ND	2.0	ug/L			05/14/24 01:29	1			
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	94	43 - 158		_		05/14/24 01:29	1			

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Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW11 Lab Sample ID: 885-4277-6

Date Collected: 05/08/24 14:10 Matrix: Water

Date Received: 05/10/24 07:45

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
Benzene	ND ND	1.0	ug/L			05/14/24 01:53	1			
Ethylbenzene	ND	1.0	ug/L			05/14/24 01:53	1			
Toluene	ND	1.0	ug/L			05/14/24 01:53	1			
Xylenes, Total	ND	2.0	ug/L			05/14/24 01:53	1			
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	91	43 - 158		_		05/14/24 01:53	1			

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Eurofins Albuquerque

Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-4925/37 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 4925

		MR	MR						
Anal	lyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benz	zene	ND		1.0	ug/L			05/13/24 11:48	1
Ethy	lbenzene	ND		1.0	ug/L			05/13/24 11:48	1
Tolue	ene	ND		1.0	ug/L			05/13/24 11:48	1
Xyleı	nes, Total	ND		2.0	ug/L			05/13/24 11:48	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96	43 - 158		05/13/24 11:48	

Lab Sample ID: MB 885-4925/38 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 4925

	MB	MB						
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			05/13/24 23:55	1
Ethylbenzene	ND		1.0	ug/L			05/13/24 23:55	1
Toluene	ND		1.0	ug/L			05/13/24 23:55	1
Xylenes, Total	ND		2.0	ug/L			05/13/24 23:55	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91	43 - 158		05/13/24 23:55	1

Lab Sample ID: LCS 885-4925/35

Matrix: Water

Analysis Batch: 4925

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	20.0	18.7		ug/L		93	70 - 130		_
Ethylbenzene	20.0	18.3		ug/L		91	70 - 130		
Toluene	20.0	18.0		ug/L		90	70 - 130		

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1 Promofluorobonzono (Curr)	07	12 150

Lab Sample ID: LCS 885-4925/36			Client Sample ID: Lab Control Sample
Matrix: Water			Prep Type: Total/NA
Analysis Batch: 4925			
	Spike	LCS LCS	%Rec

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	20.0	17.7		ug/L	_	89	70 - 130	
Ethylbenzene	20.0	17.2		ug/L		86	70 - 130	
Toluene	20.0	16.8		ug/L		84	70 - 130	

LCS LCS

Surrogate	%Recovery Qualif	ier Limits
4-Bromofluorobenzene (Surr)	96	43 - 158

Eurofins Albuquerque

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Released to Imaging: 12/11/2025 3:24:06 PM

QC Association Summary

Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

GC VOA

Analysis Batch: 4925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4277-1	MW06	Total/NA	Water	8021B	
885-4277-2	MW07	Total/NA	Water	8021B	
885-4277-3	MW08	Total/NA	Water	8021B	
885-4277-4	MW09	Total/NA	Water	8021B	
885-4277-5	MW10	Total/NA	Water	8021B	
885-4277-6	MW11	Total/NA	Water	8021B	
MB 885-4925/37	Method Blank	Total/NA	Water	8021B	
MB 885-4925/38	Method Blank	Total/NA	Water	8021B	
LCS 885-4925/35	Lab Control Sample	Total/NA	Water	8021B	
LCS 885-4925/36	Lab Control Sample	Total/NA	Water	8021B	

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Client: Hilcorp Energy

Project/Site: San Juan 30-6 31A

Lab Sample ID: 885-4277-1

Client Sample ID: MW06 Date Collected: 05/08/24 13:35

Matrix: Water

Job ID: 885-4277-1

Date Received: 05/10/24 07:45

		Batch	Batch		Dilution	Batch			Prepared
Pre	р Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Tota	il/NA	Analysis	8021B		2	4925	JP	EET ALB	05/13/24 22:45

Lab Sample ID: 885-4277-2

Date Collected: 05/08/24 15:15 Date Received: 05/10/24 07:45

Client Sample ID: MW07

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Method Factor Number Analyst or Analyzed Туре Run Lab Total/NA 8021B 2 4925 JP EET ALB 05/14/24 00:19 Analysis

Client Sample ID: MW08 Lab Sample ID: 885-4277-3

Date Collected: 05/08/24 12:05 Matrix: Water

Date Received: 05/10/24 07:45

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 05/14/24 00:42 Total/NA 8021B 4925 JP EET ALB Analysis

Client Sample ID: MW09 Lab Sample ID: 885-4277-4

Date Collected: 05/08/24 12:30 **Matrix: Water**

Date Received: 05/10/24 07:45

Dilution Batch Batch Batch Prepared Method or Analyzed Prep Type Type Run Factor **Number Analyst** Lab 4925 JP EET ALB 05/14/24 01:06 8021B Total/NA Analysis

Lab Sample ID: 885-4277-5 Client Sample ID: MW10

Date Collected: 05/08/24 13:05

Date Received: 05/10/24 07:45

Matrix: Water

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Run Factor Number Analyst Lab or Analyzed Total/NA Analysis 8021B 4925 JP **EET ALB** 05/14/24 01:29

Client Sample ID: MW11 Lab Sample ID: 885-4277-6

Date Collected: 05/08/24 14:10

Date Received: 05/10/24 07:45

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8021B		1	4925	JP	EET ALB	05/14/24 01:53

Laboratory References:

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

Matrix: Water

Accreditation/Certification Summary

Client: Hilcorp Energy Job ID: 885-4277-1

Project/Site: San Juan 30-6 31A

Laboratory: Eurofins Albuquerque

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

Authority		m	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
• •	· · · · · · · · · · · · · · · · · · ·	the laboratory is not certif	fied by the governing authority. This li	st may include analytes
for which the agency de	oes not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte	
8021B		Water	Benzene	
8021B		Water	Ethylbenzene	
8021B		Water	Toluene	
8021B		Water	Xylenes, Total	
Oregon	NELAP		NM100001	02-26-25

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Eurofins Albuquerque

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Date: W

5/24/2024

Phone #:

□ Standard

5/24/2024

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-4277-1

Login Number: 4277 List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Outstien	A	0
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	

Attn: Stuart Hyde Ensolum LLC 776 E 2nd Avenue Durango, Colorado 81301

Generated 8/1/2024 11:41:51 AM

JOB DESCRIPTION

San Juan 30-6 31A

JOB NUMBER

885-8312-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109

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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

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

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Laboratory Job ID: 885-8312-1

Client: Ensolum LLC Project/Site: San Juan 30-6 31A

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Definitions/Glossary

Client: Ensolum LLC Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not					
4						
	applicable.					
F	Result exceeded calibration range					

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)

MDL Method Detection Limit

MI Minimum Level (Dioxin)

Limit of Quantitation (DoD/DOE)

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
POL Prestical Quantitation

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Client: Ensolum LLC
Project: San Juan 30-6 31A

Job ID: 885-8312-1

Job ID: 885-8312-1 Eurofins Albuquerque

Job Narrative 885-8312-1

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 7/19/2024 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 5.2°C.

GC/MS VOA

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

Eurofins Albuquerque

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Client: Ensolum LLC Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW06 Lab Sample ID: 885-8312-1

Date Collected: 07/18/24 12:25 Matrix: Water

Date Received: 07/19/24 06:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	200		20	ug/L			07/30/24 14:28	20
Ethylbenzene	18		2.0	ug/L			07/30/24 01:27	2
Toluene	ND		2.0	ug/L			07/30/24 01:27	2
Xylenes, Total	4.3		3.0	ug/L			07/30/24 01:27	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		-		07/30/24 01:27	2
1,2-Dichloroethane-d4 (Surr)	101		70 - 130				07/30/24 14:28	20
4-Bromofluorobenzene (Surr)	95		70 - 130				07/30/24 01:27	2
4-Bromofluorobenzene (Surr)	99		70 - 130				07/30/24 14:28	20
Dibromofluoromethane (Surr)	100		70 - 130				07/30/24 01:27	2
Dibromofluoromethane (Surr)	102		70 - 130				07/30/24 14:28	20
Toluene-d8 (Surr)	99		70 - 130				07/30/24 01:27	2
Toluene-d8 (Surr)	97		70 - 130				07/30/24 14:28	20

Eurofins Albuquerque

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Client: Ensolum LLC Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW07 Lab Sample ID: 885-8312-2

Date Collected: 07/18/24 13:25 Matrix: Water

Date Received: 07/19/24 06:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/L			07/30/24 02:52	2
Ethylbenzene	ND		2.0	ug/L			07/30/24 02:52	2
Toluene	ND		2.0	ug/L			07/30/24 02:52	2
Xylenes, Total	ND		3.0	ug/L			07/30/24 02:52	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		-		07/30/24 02:52	2
4-Bromofluorobenzene (Surr)	93		70 - 130				07/30/24 02:52	2
Dibromofluoromethane (Surr)	105		70 - 130				07/30/24 02:52	2
Toluene-d8 (Surr)	97		70 - 130				07/30/24 02:52	2

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Client: Ensolum LLC Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW08 Lab Sample ID: 885-8312-3

Date Collected: 07/18/24 10:00 Matrix: Water

Date Received: 07/19/24 06:30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			07/30/24 03:21	1
Ethylbenzene	ND		1.0	ug/L			07/30/24 03:21	1
Toluene	ND		1.0	ug/L			07/30/24 03:21	1
Xylenes, Total	ND		1.5	ug/L			07/30/24 03:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		-		07/30/24 03:21	1
4-Bromofluorobenzene (Surr)	92		70 - 130				07/30/24 03:21	1
Dibromofluoromethane (Surr)	105		70 - 130				07/30/24 03:21	1
Toluene-d8 (Surr)	97		70 - 130				07/30/24 03:21	1

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Released to Imaging: 12/11/2025 3:24:06 PM

Client: Ensolum LLC Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Client Sample ID: MW09 Lab Sample ID: 885-8312-4

Date Collected: 07/18/24 10:45

Date Received: 07/19/24 06:30

Matrix: Water

Method: SW846 8260B - Volati	le Organic Comp	ounds (GC	MS)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			07/30/24 03:50	1
Ethylbenzene	ND		1.0	ug/L			07/30/24 03:50	1
Toluene	ND		1.0	ug/L			07/30/24 03:50	1
Xylenes, Total	ND		1.5	ug/L			07/30/24 03:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		-		07/30/24 03:50	1
4-Bromofluorobenzene (Surr)	91		70 - 130				07/30/24 03:50	1

70 - 130

70 - 130

106

97

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07/30/24 03:50

07/30/24 03:50

Client: Ensolum LLC Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

Client Sample ID: MW10 Lab Sample ID: 885-8312-5

Date Collected: 07/18/24 11:10

Date Received: 07/19/24 06:30

Matrix: Water

Method: SW846 8260B - Volati	le Organic Compo	unds (GC/	MS)					
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND		1.0	ug/L			07/30/24 04:18	1
Ethylbenzene	ND		1.0	ug/L			07/30/24 04:18	1
Toluene	ND		1.0	ug/L			07/30/24 04:18	1
Xylenes, Total	ND		1.5	ug/L			07/30/24 04:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		-		07/30/24 04:18	1
4-Bromofluorobenzene (Surr)	92		70 - 130				07/30/24 04:18	1
Dibromofluoromethane (Surr)	104		70 - 130				07/30/24 04:18	1
Toluene-d8 (Surr)	94		70 - 130				07/30/24 04:18	1

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Client: Ensolum LLC Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

Date Received: 07/19/24 06:30

Client Sample ID: MW11 Lab Sample ID: 885-8312-6

Date Collected: 07/18/24 11:50 Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			07/30/24 04:47	1
Ethylbenzene	ND		1.0	ug/L			07/30/24 04:47	1
Toluene	ND		1.0	ug/L			07/30/24 04:47	1
Xylenes, Total	ND		1.5	ug/L			07/30/24 04:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		-		07/30/24 04:47	1
4-Bromofluorobenzene (Surr)	92		70 - 130				07/30/24 04:47	1
Dibromofluoromethane (Surr)	106		70 - 130				07/30/24 04:47	1
Toluene-d8 (Surr)	95		70 - 130				07/30/24 04:47	1

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Prep Type: Total/NA

Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

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

Lab Sample ID: MB 885-9342/30 Client Sample ID: Method Blank

Matrix: Water Analysis Batch: 9342

Client: Ensolum LLC

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene ND 1.0 ug/L 07/30/24 00:30 Ethylbenzene ND 1.0 ug/L 07/30/24 00:30 ug/L Toluene ND 07/30/24 00:30 1.0 ND 07/30/24 00:30 Xylenes, Total 1.5 ug/L

MB MB Qualifier %Recovery Limits Prepared Dil Fac Surrogate Analyzed 1,2-Dichloroethane-d4 (Surr) 100 70 - 130 07/30/24 00:30 70 - 130 4-Bromofluorobenzene (Surr) 91 07/30/24 00:30 70 - 130 07/30/24 00:30 Dibromofluoromethane (Surr) 103 70 - 130 07/30/24 00:30 Toluene-d8 (Surr) 97

Lab Sample ID: LCS 885-9342/29 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 9342

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene		20.1	20.2		ug/L		101	70 - 130	
Toluene		20.2	20.4		ug/L		101	70 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 97 70 - 130 4-Bromofluorobenzene (Surr) 93 70 - 130 Dibromofluoromethane (Surr) 101 70 - 130 70 - 130 Toluene-d8 (Surr) 99

Lab Sample ID: 885-8312-1 MS Client Sample ID: MW06 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 9342

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	200	E	40.2	226	E 4	ug/L		58	70 - 130		_
Toluene	ND		40.3	41.8		ug/L		104	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: 885-8312-1 MSD Client Sample ID: MW06 **Matrix: Water**

Analysis Batch: 9342

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	200	E	40.2	217	E 4	ug/L		36	70 - 130	4	20
Toluene	ND		40.3	42.2		ug/L		105	70 - 130	1	20

Eurofins Albuquerque

Prep Type: Total/NA

QC Sample Results

Client: Ensolum LLC Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

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

Lab Sample ID: 885-8312-1 MSD Matrix: Water

Analysis Batch: 9342

Client Sar	mple l	D:	MW	06
Prep	Type:	To	tal/l	NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
Toluene-d8 (Surr)	99		70 - 130

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QC Association Summary

Client: Ensolum LLC
Project/Site: San Juan 30-6 31A

Job ID: 885-8312-1

GC/MS VOA

Analysis Batch: 9342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8312-1	MW06	Total/NA	Water	8260B	
885-8312-2	MW07	Total/NA	Water	8260B	
885-8312-3	MW08	Total/NA	Water	8260B	
885-8312-4	MW09	Total/NA	Water	8260B	
885-8312-5	MW10	Total/NA	Water	8260B	
885-8312-6	MW11	Total/NA	Water	8260B	
MB 885-9342/30	Method Blank	Total/NA	Water	8260B	
LCS 885-9342/29	Lab Control Sample	Total/NA	Water	8260B	
885-8312-1 MS	MW06	Total/NA	Water	8260B	
885-8312-1 MSD	MW06	Total/NA	Water	8260B	

Analysis Batch: 9401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8312-1	MW06	Total/NA	Water	8260B	

Eurofins Albuquerque

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Client: Ensolum LLC Project/Site: San Juan 30-6 31A

Date Received: 07/19/24 06:30

Lab Sample ID: 885-8312-1 Client Sample ID: MW06 Date Collected: 07/18/24 12:25

Matrix: Water

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260B		20	9401	СМ	EET ALB	07/30/24 14:28
Total/NA	Analysis	8260B		2	9342	JR	EET ALB	07/30/24 01:27

Client Sample ID: MW07 Lab Sample ID: 885-8312-2

Date Collected: 07/18/24 13:25 **Matrix: Water**

Date Received: 07/19/24 06:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260B		2	9342	JR	EET ALB	07/30/24 02:52

Lab Sample ID: 885-8312-3 **Client Sample ID: MW08**

Date Collected: 07/18/24 10:00 **Matrix: Water**

Date Received: 07/19/24 06:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260B		1	9342	JR	EET ALB	07/30/24 03:21

Client Sample ID: MW09 Lab Sample ID: 885-8312-4

Date Collected: 07/18/24 10:45 Date Received: 07/19/24 06:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Δnalveis	8260B		1	9342	IR	FET ALB	07/30/24 03:50

Client Sample ID: MW10 Lab Sample ID: 885-8312-5

Date Collected: 07/18/24 11:10 **Matrix: Water**

Date Received: 07/19/24 06:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260B		1	9342	JR	EET ALB	07/30/24 04:18

Client Sample ID: MW11 Lab Sample ID: 885-8312-6

Date Collected: 07/18/24 11:50 **Matrix: Water** Date Received: 07/19/24 06:30

	Batch	Batch		Dilution	Batch		Prepared
Prep Type	Туре	Method	Run	Factor	Number Analyst	Lab	or Analyzed
Total/NA	Analysis	8260B		1	9342 JR	EET ALB	07/30/24 04:47

Laboratory References:

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

Accreditation/Certification Summary

Client: Ensolum LLC Job ID: 885-8312-1

Project/Site: San Juan 30-6 31A

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, but oes not offer certification.	the laboratory is not certif	fied by the governing authority. This li	st may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8260B		Water	Benzene	
8260B		Water	Ethylbenzene	
8260B		Water	Toluene	
8260B		Water	Xylenes, Total	
Oregon	NELAP		NM100001	02-26-25

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Of-Custody authwan C Kauthwan C Kauthwan D Level 4 D Az Compliance Other MW 1 MW 1		(Full Validation) Sampler: Shuda (Full Validation) Sampler: Part And MRO (MRO) Sampler: Part And MRO (MRO)	3 Vot Couptie 1 3 S i	Time: Relingate by: Nia: Date Time Remarks: Pard Son Den Control of State Time Relingate by: Nia: Caune Date Time Relinquished by: Nia: Caune Date Time PLZ C Pard Son Den Control of State Time PLZ C Pa
	Chain-of-Custody Record Turn-Around Standard Standard Address: Project Name of Address: Project #:	Ckuthman (a) hil tot prom Project Mana Level 4 (Full Validation) Sampler: On Ice: # of Coolers: Cooler Temp Container Matrix Sample Name Type and #	1000, 3 vot 1002 1008 1008 100 100 100 100 100 1	Relingarished by: Relinquished by: Relinquished by:

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-8312-1

Login Number: 8312 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	

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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 534177

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	534177
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC. Operators may request to reduce sampling constituents based upon future results.	12/11/2025
shanna.smith	Pursuant to 19.15.30.13 NMAC Submit Quarterly groundwater progress reports. Operators may request to reduce reports based upon future results	12/11/2025
shanna.smith	OCD records indicate that an approved Stage 1/Stage 2 Abatement plan is not on file. Pursuant to 19.15.30 NMAC Hilcorp Energy Company (Hilcorp) must submit a Stage 1/Stage 2 Abatement plan no later than January 16, 2026, that meets all of the requirements of 19.15.30.13 NMAC.	12/11/2025
shanna.smith	Annual Groundwater Monitoring Reports will be due by April 1 of the following year.	12/11/2025