REVIEWED

By Mike Buchanan at 11:24 am, May 22, 2024



ENSOLUM

March 24, 2023

New Mexico Oil Conservation Division

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

Santa Fe, New Mexico 87505

Re: **2022 Annual Groundwater Monitoring Report**

> McCoy Gas Com D 1E San Juan County, New Mexico Hilcorp Energy Company

NMOCD Incident Number: NCS2105634419

To Whom it May Concern:

Review of the 2022 Annual Groundwater Monitoring Report for McCoy Gas Com D 1E: Content is incomplete for closure 1. In order to meet abatement completion and closure of the incident, Hilcorp must

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energisubmit analyatementry), presents this 2022 Annual Groundwater Monitoring Report to the Neand Remoder Ports vation Division (NMOCD) to document groundwater monitoring activities for the site in at the McCoy Gas Com D 1E natural gas production site (Site) during 2022. The section 28 within Township 30 north and Range 12 White an Juan County, New Mexico (Figure 1). There are currently three monitoring wells on the cosmonitoring well and the cosmonitoring well and the cosmonitoring well and the cosmonitoring well are considered with the cosmonitoring well and t groundwater elevations. Only monitoring well MW-1R is strongletionare polytheris report presents the results of the 2022 monitoring events. Based on curremust be a work pladata gathered at the Site, Ensolum/Hilcorp is requesting closure of the Site and also submitted for NMOCD Incident sampling the vadose Number NCS2105634419. zone to demonstrate

SITE BACKGROUND

Comprehensive Site background history, work plans, and the abatement available on the NMOCD database. In December of 2017 starilization, as pured the Site from XTO Energy, Inc. and continued to perform semi-annual monitories and greater perform semi-annual monitories and continued to perfo monitoring wells and semi-annual sampling of MW-1R. @tilaetNMA@onitoring of groundwater elevations of all wells and quarterly sampling of MW-1R3wPlease upload they the NMOCD and commenced in October 2021. Summaries of groundwater employed Groundwater ratory analytical results from historical and current groundwater monitoring Plan into the in Table 1 and Table 2, respectively.

the release at the site has met closure criteria for the Site are incident/well file via online permitting site.

SITE GROUNDWATER CLEANUP STANDARDS

The NMOCD requires groundwater-quality standards be met as presented by the New Mexico Water Quality Control Commission (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 constituents of concern (COCs) at the Site in micrograms per liter $(\mu g/L)$.

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

GROUNDWATER SAMPLING ACTIVITIES AND RESULTS

Groundwater-level measurements were collected in February, April, July, and October 2022 at all wells, and samples were collected from well MW-1R during these monitoring events. Static groundwater-level monitoring included recording depth-to-groundwater using an oil/water interface probe. The interface probe was decontaminated with Alconox™ soap and rinsed with distilled water prior to each measurement to prevent cross-contamination. Measured depths-to-groundwater and calculated groundwater elevations are presented in Table 1. The inferred groundwater flow direction was to the north-northeast during the 2022 sampling events, as indicated on Figures 2, 3, 4, and 5.

GROUNDWATER SAMPLING

Groundwater from monitoring well MW-1R was purged and sampled using a disposable bailer. Purging was accomplished by removing stagnant groundwater from the monitoring well prior to collecting a sample. Field measurements of groundwater quality parameters, including temperature, pH, electrical conductivity, and total dissolved solids were collected during the purging process.

Following well purging, groundwater samples were placed directly into laboratory-provided containers and labeled with the date and time of collection, well designation, project name, sample collector's name, and parameters to be analyzed. Containers were immediately sealed and packed on ice to preserve samples. Samples were submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United State Environmental Protection Agency (EPA) Method 8260B. Proper chain-of-custody procedures were followed documenting the date and time sampled, sample number, type of sample, sample collector's name, preservative used, analyses required, and sample collector's signature.

GROUNDWATER ANALYTICAL RESULTS

During the quarterly sampling events in 2022, no BTEX constituents were detected in groundwater from well MW-1R at concentrations exceeding the NMWQCC standards. Analytical results are summarized in Table 2 and depicted on Figures 2 through 5, with complete laboratory analytical reports attached as Appendix A.

CONCLUSIONS AND RECOMMENDATIONS

BTEX concentrations in groundwater have not been detected above NMWQCC standards in well MW-1R for five consecutive quarters and eleven consecutive sampling events (since December 2018). In addition, benzene and toluene have been below laboratory reporting limits for the past six sampling events. Based on current and historical data gathered at the Site, petroleum impacts at the Site have been successfully remediated to below applicable closure criteria/standards. As such, Ensolum/Hilcorp requests closure of the Site and no further action for NMOCD Incident Number NCS2105634419.



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Ensolum appreciates the opportunity to provide these environmental services to Hilcorp. Please contact either of the undersigned with any questions.

Sincerely,

Ensolum, LLC

Stuart Hyde, LG Senior Geologist (970) 903-1607 shyde@ensolum.com Daniel R. Moir, PG Senior Managing Geologist (303) 887-2946 dmoir@ensolum.com

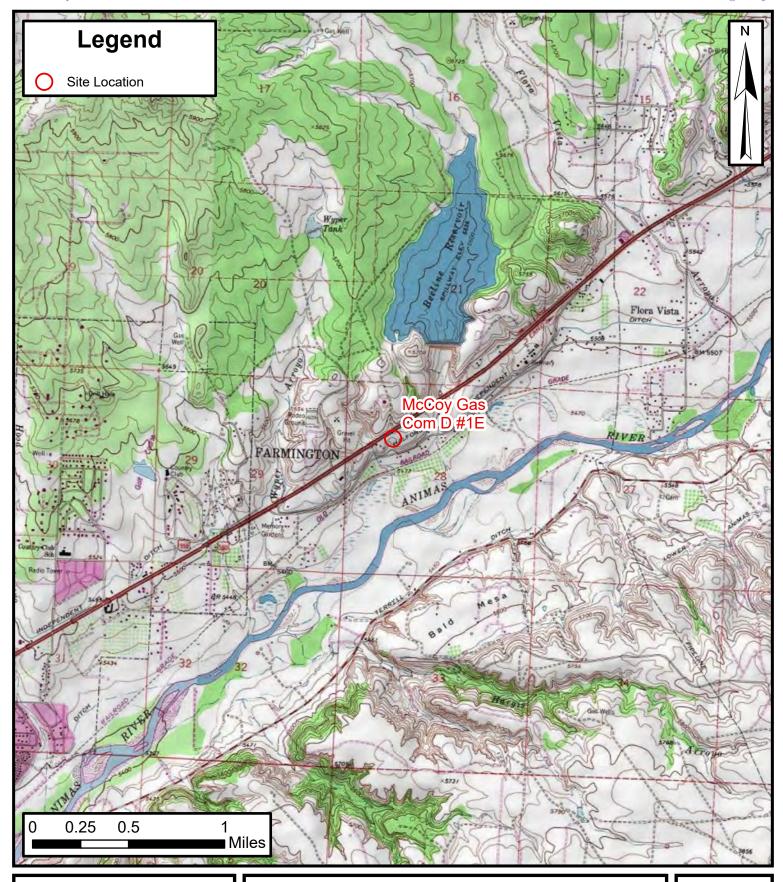
Attachments:

Figure 1	Site Location Map
Figure 2	Groundwater Elevation and Analytical Results (February 2022)
Figure 3	Groundwater Elevation and Analytical Results (April 2022)
Figure 4	Groundwater Elevation and Analytical Results (July 2022)
Figure 5	Groundwater Elevation and Analytical Results (October 2022)
Table 1	Groundwater Elevation Summary
Table 2	Groundwater Analytical Results
Appendix A	Laboratory Analytical Reports





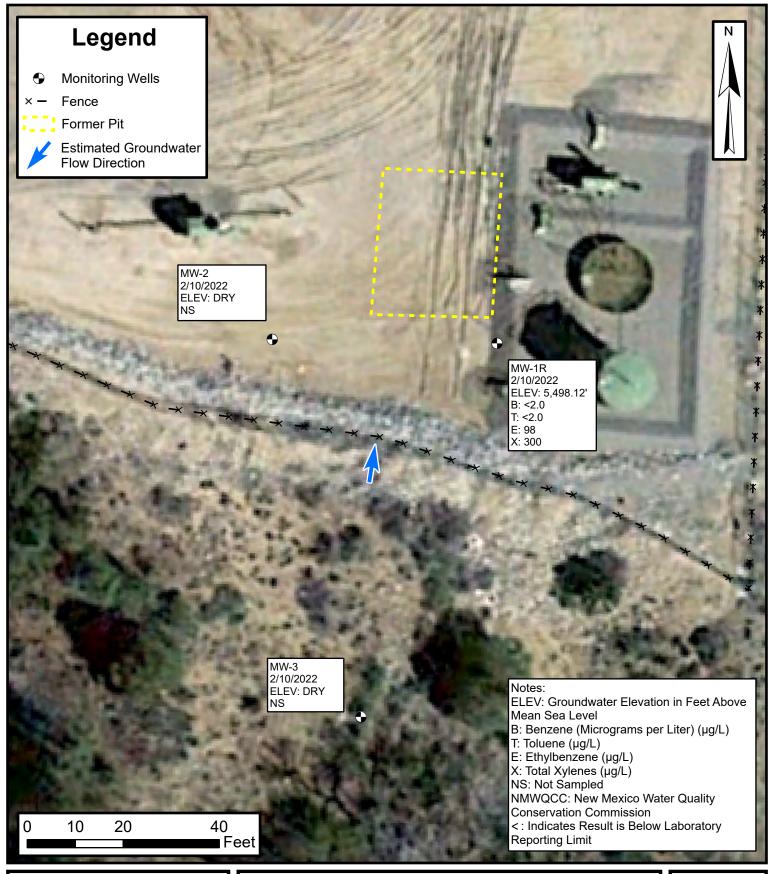
FIGURES





Site Location Map

McCoy Gas Com D #1E Hilcorp Energy Company 36.78677, -108.10786 San Juan County, New Mexico FIGURE





Groundwater Elevation and Analytical Results (February 2022)

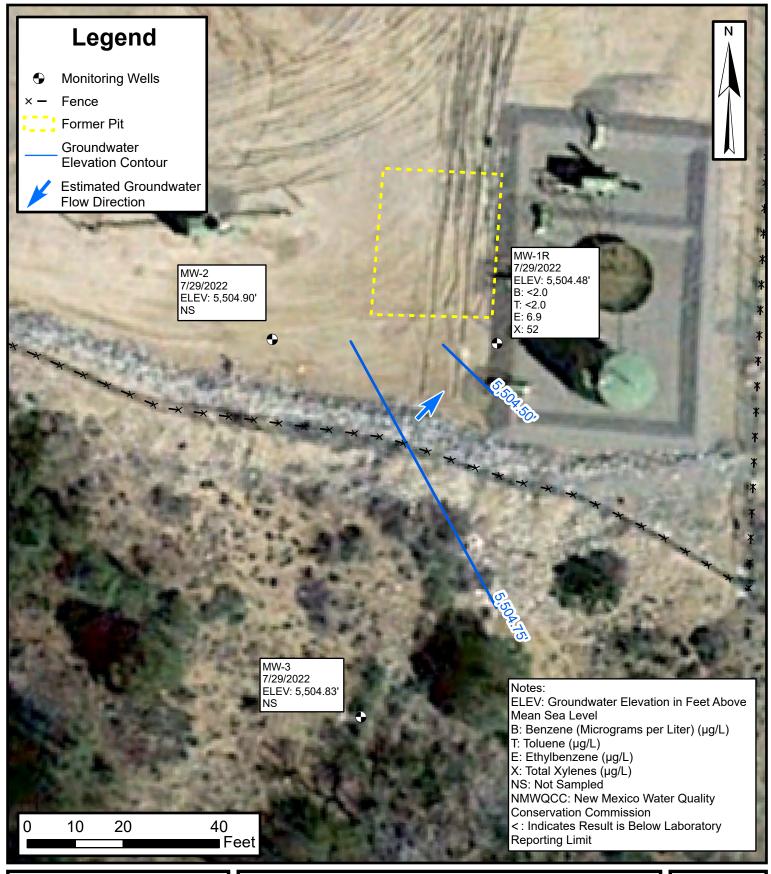
McCoy Gas Com D #1E Hilcorp Energy Company 36.78677, -108.10786 San Juan County, New Mexico FIGURE





Groundwater Elevation and Analytical Results (April 2022)

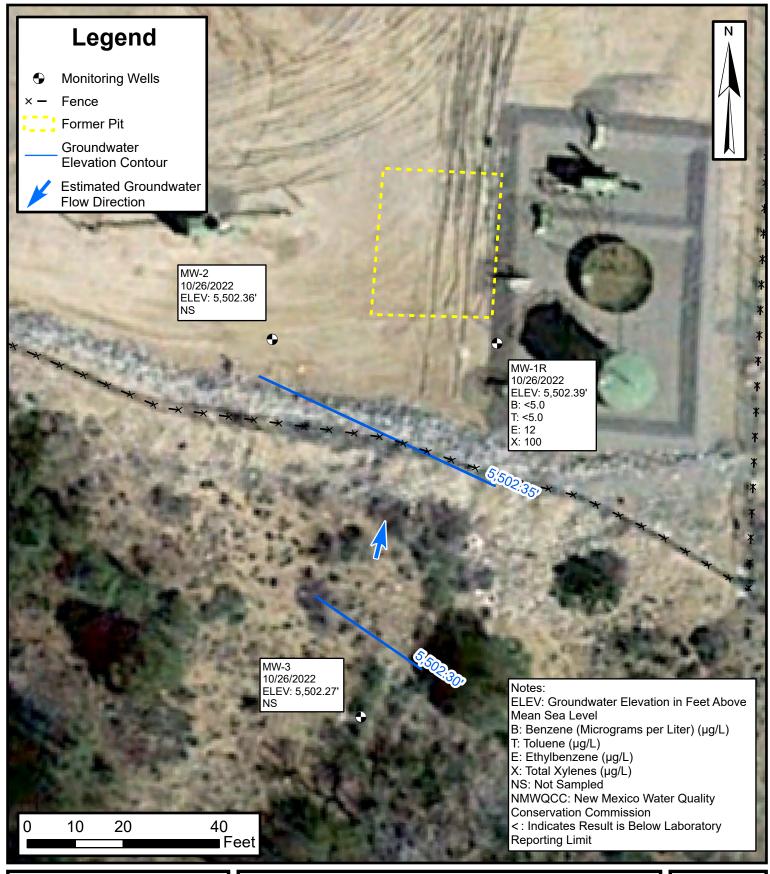
McCoy Gas Com D #1E Hilcorp Energy Company 36.78677, -108.10786 San Juan County, New Mexico **FIGURE**





Groundwater Elevation and Analytical Results (July 2022)

McCoy Gas Com D #1E Hilcorp Energy Company 36.78677, -108.10786 San Juan County, New Mexico FIGURE





Groundwater Elevation and Analytical Results (October 2022)

McCoy Gas Com D #1E Hilcorp Energy Company 36.78677, -108.10786 San Juan County, New Mexico FIGURE



TABLES



5 502 39

TABLE 1 **GROUNDWATER ELEVATIONS** McCoy Gas Com D #1E **Hilcorp Energy Company** San Juan County, New Mexico Top of Casing Depth to Groundwater Depth to Product **Product Thickness** Well Identification Elevation Date Groundwater Elevation (feet BTOC) (feet) (feet AMSL) (feet BTOC) (feet AMSL) 5,502.27 10/16/2006 32.86 5/16/2007 30.69 5,504.44 7/23/2007 30.57 5,504.56 9/27/2007 32.01 5,503.12 11/27/2007 34.60 5,500.53 5/13/2008 5,503.16 31.97 MW-1 5,535.13 1/21/2009 36.88 5,498.25 5/26/2009 30.68 5,504.45 5/25/2010 30.13 5,505.00 30.87 5,504.26 8/12/2010 11/17/2010 33.96 5.501.17 2/14/2011 37.27 5,497.86 5/17/2011 29.31 5,504.27 8/9/2011 29.04 5,504.54 5,502.07 11/9/2011 31.51 ----3/8/2012 37.41 37.07 0.34 5,496.44 5,505.27 6/14/2012 28.39 28.29 0.10 9/12/2012 29.89 5,503.69 34.22 34.19 0.03 5,499.38 12/21/2012 3/14/2013 38.31 5.495.27 6/17/2013 28.05 5,505.53 9/11/2013 29.11 5,504.47 12/16/2013 34.61 5,498.97 35.78 5,497.80 3/12/2014 6/11/2014 28.05 5,505.53 9/22/2014 29.25 5,504.33 12/9/2014 34.61 5,498.97 3/12/2015 35.55 5,498.03 5.505.23 6/11/2015 28.35 9/21/2015 29.20 5,504.38 MW-1R 5.533.58 12/21/2015 34.20 5,499.38 6/20/2016 29.20 5,504.38 12/14/2016 34.22 5,499.36 6/26/2017 28.95 5,504.63 ----12/12/2017 34.03 5,499.55 6/28/2018 28.42 5,505.16 12/10/2018 33.67 5,499.91 6/20/2019 29.59 5.503.99 34.12 12/9/2019 5.499.46 3/18/2020 38.79 5,494.79 28.78 5,504.80 6/22/2020 1/26/2021 35.33 5,498.25 6/22/2021 28.69 ----5,504.89 10/27/2021 31.22 5.502.36 2/10/2022 35.46 5,498.12 4/28/2022 33.78 5,499.80 7/29/2022 29.10 5,504.48

Ensolum 1 of 3

31.19

10/26/2022



TABLE 1 GROUNDWATER ELEVATIONS McCoy Gas Com D #1E Hilcorp Energy Company San Juan County, New Mexico											
Well Identification	Top of Casing Elevation (feet AMSL)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)					
		5/17/2007	30.56			5,505.12					
		7/23/2007	31.98			5,503.70					
		9/27/2007	32.44			5,503.24					
		11/27/2007	35.29			5,500.39					
		5/13/2008	31.98			5,503.70					
		5/26/2009	36.46			5,499.22					
		5/25/2010	29.88			5,505.80					
		8/12/2010	31.30			5,504.38					
		11/17/2010	34.61			5,501.07					
		2/14/2011)ry						
		5/17/2011	30.60			5,505.08					
		8/9/2011	31.22			5,504.46					
		11/9/2011	33.70			5,501.98					
		3/8/2012)ry						
		6/14/2012	29.66			5,506.02					
		9/12/2012	31.77			5,503.91					
		12/21/2012	36.44			5,499.24					
		3/14/2013		ı)ry						
		6/17/2013	29.45			5,506.23					
		9/11/2013	31.11		 DC	5,504.57					
		12/16/2013			BS BS						
		3/12/2014	20.26	1	1	F F0F 40					
MW-2	5,535.68	6/11/2014	30.26			5,505.42					
		9/22/2014	31.11			5,504.57					
		12/9/2014 3/12/2015	34.31	 	 Ory	5,501.37					
			30.00		I	E E0E 69					
		6/11/2015	30.96		 	5,505.68					
		9/21/2015 12/21/2015	30.96	r	 Ory	5,504.72					
		6/20/2016	31.63			5,504.05					
		12/14/2016	31.03) Pry	3,304.03					
		6/26/2017	30.63			5,505.05					
		12/12/2017	00.00		l Ory	0,000.00					
		6/28/2018	30.10			5,505.58					
		12/10/2018	22.10		l Ory	-,0.00					
		6/20/2019	31.57		J	5,504.11					
		12/9/2019		C)ry	-,					
		3/18/2020			S @ 2.69						
		6/22/2020	30.37	-		5,505.31					
		1/26/2021		D)ry						
		6/22/2021			S @ 2.70						
		10/27/2021	33.35			5,502.33					
		2/10/2022)ry						
		4/28/2022		C	ry						
		7/29/2022	30.78			5,504.90					
		10/26/2022	33.32			5,502.36					

Ensolum 2 of 3



TABLE 1 GROUNDWATER ELEVATIONS McCoy Gas Com D #1E Hilcorp Energy Company San Juan County, New Mexico											
Well Identification	Top of Casing Elevation (feet AMSL)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)					
		5/17/2007	21.55			5,505.56					
		7/23/2007	30.65			5,496.46					
		9/27/2007	24.02			5,503.09					
		11/27/2007	28.94			5,498.17					
		5/12/2008	22.55			5,504.56					
		5/26/2009	21.37			5,505.74					
		5/25/2010	20.99			5,506.12					
		8/12/2010	23.03			5,504.08					
		11/17/2010	26.85			5,500.26					
		2/14/2011		C	ry						
		5/17/2011	21.49			5,505.62					
		8/9/2011	22.12			5,504.99					
		11/9/2011	25.69			5,501.42					
		3/8/2012		C)ry						
		6/14/2012	20.97			5,506.14					
		9/12/2012	23.31			5,503.80					
		12/21/2012	30.61			5,496.50					
		3/14/2013)ry	·					
		6/17/2013	20.80			5,506.31					
		9/11/2013	22.75			5,504.36					
		12/16/2013	31.95			5,495.16					
		3/12/2014)ry	·					
		6/11/2014	20.93			5,506.18					
MW-3	5,527.11	9/22/2014	22.62			5,504.49					
		12/9/2014	29.24			5,497.87					
		3/12/2015	32.60			5,494.51					
		6/11/2015	21.30			5,505.81					
		9/21/2015	22.13			5,504.98					
		12/21/2015	30.65			5,496.46					
		6/20/2016	22.33			5,504.78					
		12/14/2016	31.10			5,496.01					
		6/26/2017	21.97			5,505.14					
		12/12/2017	30.44			5,496.67					
		6/28/2018	21.63			5,505.48					
		12/10/2018	29.65			5,497.46					
		6/20/2019	22.92			5,504.19					
		12/9/2019	30.79			5,496.32					
		3/18/2020		D)ry						
		6/22/2020	21.72			5,505.39					
		1/26/2021)ry						
		6/22/2021	21.76			5,505.35					
		10/27/2021	24.87			5,502.24					
		2/10/2022)ry	·					
		4/28/2022			Ory						
		7/29/2022	22.28		-	5,504.83					
		10/26/2022	24.84			5,502.27					

Notes:

AMSL: above mean sea level BTOC: below top of casing NP: No Product

OBS: Obstruction in well

--: indicates no GWEL or PSH measured

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

^{*:} New Top of Casing Elevation; Casing Cut Off 1.55 Feet to Remove ORC Socks in May 2011, well designation changed to MW-1R

ENSOLUM

TABLE 2 GROUNDWATER ANALYTICAL RESULTS McCoy Gas Com D #1E Hilcorp Energy Company San Juan County, New Mexico

Vell Identification	Sample Date	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC	Standards	5	1,000	700	620
	10/16/2006	22	2,500	2,700	19,000
	5/16/2007	30	760	1,700	24,000
	5/13/2008	<10	640	540	11,000
	1/21/2009	<100	1,200	1,100	12,000
MW-1	5/26/2009	<10	620	640	11,000
	5/25/2010	130	160	430	7,100
	8/12/2010	120	<120	260	6,700
	11/17/2010	360	<2,500	1,400	16,000
	2/14/2011	16	1,000	870	13,000
	5/17/2011	300	290	850	13,000
	8/9/2011	<5	53.6	19.3	6,220
	11/9/2011	11	<50	<5	1,600
	3/8/2012	-			
	6/14/2012	120	110	750	5,000
	9/12/2012	78	<250	120	4,600
	12/21/2012	<25	<250	280	7,400
	3/21/2013	98	<250	<25.0	7,100
	6/17/2013	66	<250	94	4,500
	9/11/2013	33	<25	76	840
	12/13/2013	52	<100	160	2,000
	3/12/2014	100	<120	680	8,800
	6/11/2014	36	<25	430	4,100
	9/22/2014	2.7	<25	490	1,400
	12/9/2014	<9.5	<250	840	8,500
	3/12/2015	96	<25	860	8,900
	6/11/2015	<25	<250	610	5,700
	9/21/2015	25	<5	525	4,340
MW-1R	12/21/2015	93	<250	765	7,850
	6/20/2016	56	<25.0	617	5,370
	12/14/2016	<25.0	<50.0	961	9,700
	6/26/2017	<12.5	<25.0	457	3,890
	12/3/2017	108 <5.0	<100 <5.0	790 430	8,050 3,200
	6/28/2018			730	6,400
	12/10/2018	<5.0 <2.5	<5.0 <2.5	4.3	6,400 <5.0
	6/19/2019	<1.0	<1.0	20	<2.0
	12/9/2019		<1.0	130	110
	3/18/2020	<1.0			
	6/22/2020	<2.0	<2.0	21	12
	1/26/2021	2.13	<1.0	184	305
	6/22/2021	<1.0	<1.0	47	17
	10/27/2021	<2.0	<2.0	39	230
	2/10/2022	<2.0	<2.0	98	300
	4/28/2022	<2.0	<2.0	170	580
	7/29/2022	<2.0	<2.0	6.9	52
	10/26/2022	<5.0	<5.0	12.0	100
	5/17/2007	<1.0	<1.0	<1.0	3.10
MW-2	5/13/2008	<1.0	<1.0	<1.0	<2.0
	5/25/2010	<1.0	<1.0	<1.0	<2.0
	5/17/2007	<1.0	<1.0	<1.0	<2.0
MW-3	5/12/2008	<1.0	<1.0	<1.0	<2.0
	5/25/2010	<1.0	<1.0	<1.0	<2.0

Notes:

μg/L: micrograms per liter

NMWQCC: New Mexico Water Quality Control Commission

--: not analyzed

<0.037: indicates result less than the stated laboratory reporting limit (RL)

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



APPENDIX A

Laboratory Analytical Reports



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

February 17, 2022

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: McCoy Gas Com D1E OrderNo.: 2202582

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/11/2022 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 don't hesitate to contact HEAL 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

2202582-001

Lab ID:

Analytical Report

Lab Order 2202582

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/17/2022

Received Date: 2/11/2022 8:00:00 AM

CLIENT: HILCORP ENERGY Client Sample ID: MW1R

Project: McCoy Gas Com D1E Collection Date: 2/10/2022 1:00:00 PM Matrix: AQUEOUS

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 8260B: VOLATILES** Analyst: JR Benzene ND 2.0 μg/L 2 2/16/2022 12:11:49 AM 2 Toluene ND 2.0 μg/L 2/16/2022 12:11:49 AM 98 2 2/16/2022 12:11:49 AM Ethylbenzene 2.0 μg/L Methyl tert-butyl ether (MTBE) ND 2.0 µg/L 2 2/16/2022 12:11:49 AM 1,2,4-Trimethylbenzene 270 20 μg/L 20 2/16/2022 2:57:19 PM 1,3,5-Trimethylbenzene 14 2.0 µg/L 2 2/16/2022 12:11:49 AM ND 2 1,2-Dichloroethane (EDC) 2.0 μg/L 2/16/2022 12:11:49 AM 2 1,2-Dibromoethane (EDB) ND 2.0 µg/L 2/16/2022 12:11:49 AM 2 Naphthalene 8.4 4.0 2/16/2022 12:11:49 AM μg/L 2 1-Methylnaphthalene 23 8.0 μg/L 2/16/2022 12:11:49 AM 2-Methylnaphthalene ND 8.0 μg/L 2 2/16/2022 12:11:49 AM Acetone ND 20 μg/L 2 2/16/2022 12:11:49 AM 2 Bromobenzene ND 2.0 μg/L 2/16/2022 12:11:49 AM Bromodichloromethane ND 2 2/16/2022 12:11:49 AM 2.0 μg/L 2 **Bromoform** ND 2.0 µg/L 2/16/2022 12:11:49 AM **Bromomethane** ND 6.0 μg/L 2 2/16/2022 12:11:49 AM 2-Butanone ND 20 µg/L 2 2/16/2022 12:11:49 AM 2 Carbon disulfide ND 20 2/16/2022 12:11:49 AM μg/L Carbon Tetrachloride ND 2.0 μg/L 2 2/16/2022 12:11:49 AM Chlorobenzene ND 2.0 µg/L 2 2/16/2022 12:11:49 AM Chloroethane ND 4.0 μg/L 2 2/16/2022 12:11:49 AM 2 Chloroform ND 2.0 µg/L 2/16/2022 12:11:49 AM Chloromethane ND 6.0 μg/L 2 2/16/2022 12:11:49 AM 2-Chlorotoluene ND 2.0 μg/L 2 2/16/2022 12:11:49 AM 2 4-Chlorotoluene ND 2.0 μg/L 2/16/2022 12:11:49 AM cis-1,2-DCE ND 2.0 2 2/16/2022 12:11:49 AM µg/L ND 2.0 2 cis-1,3-Dichloropropene µg/L 2/16/2022 12:11:49 AM 2 1,2-Dibromo-3-chloropropane ND 4.0 µg/L 2/16/2022 12:11:49 AM Dibromochloromethane ND 2 2/16/2022 12:11:49 AM 2.0 μg/L Dibromomethane ND 2.0 μg/L 2 2/16/2022 12:11:49 AM ND 2 1,2-Dichlorobenzene 2.0 μg/L 2/16/2022 12:11:49 AM μg/L ND 2.0 2 2/16/2022 12:11:49 AM 1.3-Dichlorobenzene 2 1,4-Dichlorobenzene ND 2.0 µg/L 2/16/2022 12:11:49 AM Dichlorodifluoromethane ND 2.0 2 2/16/2022 12:11:49 AM µg/L 1,1-Dichloroethane ND 2.0 μg/L 2 2/16/2022 12:11:49 AM 1,1-Dichloroethene ND μg/L 2 2/16/2022 12:11:49 AM 2.0 ND μg/L 2 2/16/2022 12:11:49 AM 1,2-Dichloropropane 2.0 2 ND 2.0 2/16/2022 12:11:49 AM 1,3-Dichloropropane µg/L μg/L 2,2-Dichloropropane 2 2/16/2022 12:11:49 AM ND 4.0

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
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- E Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

Page 1 of 5

2202582-001

Lab ID:

Analytical Report

Received Date: 2/11/2022 8:00:00 AM

Lab Order 2202582 Date Reported: 2/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW1R

Project: McCoy Gas Com D1E Collection Date: 2/10/2022 1:00:00 PM Matrix: AQUEOUS

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 8260B: VOLATILES** Analyst: JR 1.1-Dichloropropene ND 2.0 μg/L 2 2/16/2022 12:11:49 AM 2 Hexachlorobutadiene ND 2.0 μg/L 2/16/2022 12:11:49 AM ND 20 2 2/16/2022 12:11:49 AM 2-Hexanone μg/L Isopropylbenzene 58 2.0 µg/L 2 2/16/2022 12:11:49 AM 2 4-Isopropyltoluene 22 2.0 μg/L 2/16/2022 12:11:49 AM 4-Methyl-2-pentanone ND 20 μg/L 2 2/16/2022 12:11:49 AM Methylene Chloride ND 2 6.0 μg/L 2/16/2022 12:11:49 AM n-Butylbenzene ND 2 2/16/2022 12:11:49 AM 6.0 μg/L 2 n-Propylbenzene 54 2.0 2/16/2022 12:11:49 AM μg/L 2 sec-Butylbenzene 14 2.0 μg/L 2/16/2022 12:11:49 AM Styrene ND 2.0 μg/L 2 2/16/2022 12:11:49 AM tert-Butylbenzene ND 2.0 μg/L 2 2/16/2022 12:11:49 AM 2 1,1,1,2-Tetrachloroethane ND 2.0 μg/L 2/16/2022 12:11:49 AM 1,1,2,2-Tetrachloroethane ND 2 2/16/2022 12:11:49 AM 4.0 μg/L 2 Tetrachloroethene (PCE) ND 2.0 µg/L 2/16/2022 12:11:49 AM trans-1.2-DCE ND 2.0 μg/L 2 2/16/2022 12:11:49 AM trans-1,3-Dichloropropene ND 2.0 μg/L 2 2/16/2022 12:11:49 AM 2 1,2,3-Trichlorobenzene ND 2.0 2/16/2022 12:11:49 AM μg/L 1,2,4-Trichlorobenzene ND 2.0 μg/L 2 2/16/2022 12:11:49 AM 1,1,1-Trichloroethane ND 2.0 µg/L 2 2/16/2022 12:11:49 AM 1,1,2-Trichloroethane ND 2.0 µg/L 2 2/16/2022 12:11:49 AM 2 Trichloroethene (TCE) ND 2.0 µg/L 2/16/2022 12:11:49 AM Trichlorofluoromethane ND 2.0 µg/L 2 2/16/2022 12:11:49 AM 1,2,3-Trichloropropane ND 4.0 µg/L 2 2/16/2022 12:11:49 AM 2 Vinyl chloride ND 2.0 μg/L 2/16/2022 12:11:49 AM Xylenes, Total 300 µg/L 2 2/16/2022 12:11:49 AM 3.0

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

96.1

105

89.9

104

70-130

70-130

70-130

70-130

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 range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- E Estimated value
- Analyte detected below quantitation limits

%Rec

%Rec

%Rec

%Rec

2

2

2

2

- Sample pH Not In Range
- RL Reporting Limit

Page 2 of 5

2/16/2022 12:11:49 AM

2/16/2022 12:11:49 AM

2/16/2022 12:11:49 AM

2/16/2022 12:11:49 AM

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

Hall Environmental Analysis Laboratory, Inc.

2202582 17-Feb-22

WO#:

Client: HILCORP ENERGY
Project: McCoy Gas Com D1E

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES

Sample ID: mb	Sampi	ype: we	DLN	res	icode: Ei	PA Wethod	d 8260B: VOLATILES				
Client ID: PBW	Batch	1D: R8	5850	R	RunNo: 8	5850					
Prep Date:	Analysis D	ate: 2/	15/2022	S	SeqNo: 30	023019	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									
Methyl tert-butyl ether (MTBE)	ND	1.0									
1,3,5-Trimethylbenzene	ND	1.0									
1,2-Dichloroethane (EDC)	ND	1.0									
1,2-Dibromoethane (EDB)	ND	1.0									
Naphthalene	ND	2.0									
1-Methylnaphthalene	ND	4.0									
2-Methylnaphthalene	ND	4.0									
Acetone	ND	10									
Bromobenzene	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									
Bromomethane	ND	3.0									
2-Butanone	ND	10									
Carbon disulfide	ND	10									
Carbon Tetrachloride	ND	1.0									
Chlorobenzene	ND	1.0									
Chloroethane	ND	2.0									
Chloroform	ND	1.0									
Chloromethane	ND	3.0									
2-Chlorotoluene	ND	1.0									
4-Chlorotoluene	ND	1.0									
cis-1,2-DCE	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
1,2-Dibromo-3-chloropropane	ND	2.0									
Dibromochloromethane	ND	1.0									
Dibromomethane	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
Dichlorodifluoromethane	ND	1.0									
1,1-Dichloroethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
1,2-Dichloropropane	ND	1.0									
1,3-Dichloropropane	ND	1.0									
2,2-Dichloropropane	ND	2.0									
1,1-Dichloropropene	ND	1.0									

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

2202582 17-Feb-22

WO#:

Client: HILCORP ENERGY
Project: McCoy Gas Com D1E

Sample ID: mb	SampType: MBLK TestCode: EPA Method 8260B: VOLATILES									
Client ID: PBW	Batch	n ID: R8	5850	R	RunNo: 85850					
Prep Date:	Analysis D	ate: 2/	15/2022	S	SeqNo: 30	023019	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		109	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	11		10.00		108	70	130			

Sample ID: 100ng Ics	SampType: LCS				TestCode: EPA Method 8260B: VOLATILES						
Client ID: LCSW	Batch	n ID: R8	5850	F	RunNo: 8						
Prep Date:	Analysis D	ate: 2/	15/2022	9	SeqNo: 30	023314	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	20	1.0	20.00	0	101	70	130				
Toluene	20	1.0	20.00	0	98.9	70	130				
Chlorobenzene	20	1.0	20.00	0	101	70	130				
1,1-Dichloroethene	19	1.0	20.00	0	96.7	70	130				

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 Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202582 17-Feb-22**

Client: HILCORP ENERGY
Project: McCoy Gas Com D1E

Sample ID: 100ng lcs	SampT	ype: LC	S	TestCode: EPA Method 8260B: VOLATILES						
Client ID: LCSW	Batch	1D: R8	5850	F	RunNo: 8	5850				
Prep Date:	Analysis D	ate: 2/	15/2022	\$	SeqNo: 3	023314	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	19	1.0	20.00	0	97.4	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		104	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID: 100ng lcs2	SampType: LCS			TestCode: EPA Method 8260B: VOLATILES						
Client ID: LCSW	Batch	1D: R8	5889	R	tunNo: 8					
Prep Date:	Analysis D	ate: 2/	16/2022	S	SeqNo: 30	024523	Units: %Rec	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.3	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	11		10.00		107	70	130			

Sample ID: mb	SampT	ype: ME	BLK	TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batcl	n ID: R8	5889	F	RunNo: 8	5889				
Prep Date:	Analysis D	Date: 2/	16/2022	\$	SeqNo: 3	024524	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	11		10.00		110	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	11		10.00		112	70	130			
Surr: Toluene-d8	11		10.00		110	70	130			

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 Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: clients.hallenvironmental.com Client Name: HILCORP ENERGY Work Order Number: 2202582 RcptNo: 1 Received By: Tracy Casarrubias 2/11/2022 8:00:00 AM Completed By: Tracy Casarrubias 2/11/2022 10:54:45 AM Reviewed By: 3º 2/11/22 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? Courier Log In 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 No 🗌 Yes 🗸 NA 🗌 5. Sample(s) in proper container(s)? No \square Yes 🗸 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? No \square V Yes 8. Was preservative added to bottles? Yes No V 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 bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or 12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? ~ No \square Checked by: KPG 2/11/27 14. Were all holding times able to be met? Yes 🔽 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes \square No 🗌 NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information

Page 1 of 1

Cooler No.

Temp °C

3.3

Condition

Good

Seal Intact

Yes

Seal No

Seal Date

Signed By

	Page 23 of 40
ABONAMENTAL Total Coliform (Present/Absent) 345-4107	ort.
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ALL ENVIRONMS	
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CGW/ CGG/CGD/CGD/CGC	Remarks:
BTEX / MTBE / TMB's (8021)	Rem
	Date Time Remarks: $\frac{3/o/32}{10.02} / 43$ Date Time $\frac{3/o/32}{10.02} / 12.$ This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
HEAL No. 02582	25 17 17 17 17 17 17 17 17 17 17 17 17 17
	Date Date
	\\
Rush St. 33	
Turn-Around Time: [XStandard Rush Project Name: V C C C C C C C C C C C C C C C C C C	Time: Relinguished by/ Time: Refinquished by: Via: 1435
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Sample Name M.W. 1 C.	o Hall B
Custo	ned by:
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	Retin
Client: Client: Mailing Address: Coa/QC Package: Cad/QC Package: Cad/	:: Time: 1435 Time: Time
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Client: Client: Client: Advice Per Control Date T Colo Colo Colo Colo Colo Colo Colo Co	Date:



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

May 11, 2022

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: McCoy Gas Com D 1E OrderNo.: 2204C88

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/29/2022 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 don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2204C88

Date Reported: 5/11/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW-1R

Project: McCoy Gas Com D 1E **Collection Date:** 4/28/2022 1:25:00 PM

Lab ID: 2204C88-001 **Matrix:** AQUEOUS **Received Date:** 4/29/2022 7:10:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst: CCM
Benzene	ND	2.0	μg/L	2	5/5/2022 6:24:00 AM
Toluene	ND	2.0	μg/L	2	5/5/2022 6:24:00 AM
Ethylbenzene	170	2.0	μg/L	2	5/5/2022 6:24:00 AM
Xylenes, Total	580	30	μg/L	20	5/6/2022 4:49:00 AM
Surr: 1,2-Dichloroethane-d4	95.3	70-130	%Rec	2	5/5/2022 6:24:00 AM
Surr: 4-Bromofluorobenzene	95.3	70-130	%Rec	2	5/5/2022 6:24:00 AM
Surr: Dibromofluoromethane	96.5	70-130	%Rec	2	5/5/2022 6:24:00 AM
Surr: Toluene-d8	108	70-130	%Rec	2	5/5/2022 6:24:00 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 2

Hall Environmental Analysis Laboratory, Inc.

ND

11

9.8

10

9.6

1.0

10.00

10.00

10.00

10.00

2204C88 11-May-22

WO#:

Client: HILCORP ENERGY
Project: McCoy Gas Com D 1E

Sample ID: 100ng lcs 2	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8260: Volatile	s Short Li	st	
Client ID: LCSW	Batc	h ID: SL	87719	F	RunNo: 87	7719				
Prep Date:	Analysis [Date: 5/ 4	4/2022	5	SeqNo: 31	108938	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	97.4	70	130			
Toluene	19	1.0	20.00	0	97.4	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.7		10.00		96.8	70	130			
Sample ID: mb 2	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8260: Volatile	s Short Li	st	
Client ID: PBW	Batc	h ID: SL	87719	F	RunNo: 87	7719				
Prep Date:	Analysis [Date: 5/ 4	4/2022	9	SeqNo: 31	108939	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								

Sample ID: 100ng lcs 2	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8260: Volatile	s Short Li	st	
Client ID: LCSW	Batch	ı ID: SL	87773	F	RunNo: 87	7773				
Prep Date:	Analysis D	oate: 5/	6/2022	9	SeqNo: 3	109585	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.7		10.00		97.1	70	130			

105

98.2

104

95.8

70

70

70

70

130

130

130

130

Sample ID: mb 2	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8260: Volatile	s Short Li	st	
Client ID: PBW	Batch	ID: SL	87773	F	RunNo: 87	7773				
Prep Date:	Analysis D	oate: 5/ 0	6/2022	5	SeqNo: 31	109586	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.8	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.8		10.00		98.5	70	130			

Qualifiers:

Ethylbenzene

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

- 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 2



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

EL: 305-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

		weosite: ww	w.nauenvironmental.	.com		
Client Name:	HILCORP ENERGY	Work Order Nun	nber: 2204C88		RcptNo	: 1
Received By:	Tracy Casarrubias	4/29/2022 7:10:00	АМ			
Completed By:	Sean Livingston	4/29/2022 8:57:22	AM	Sala		
Reviewed By:	Jn 4/29/22				75)—	
Chain of Cus	stody					
1. Is Chain of C	ustody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the	sample delivered?		Courier			
Log In 3. Was an atten	npt made to cool the sample	es?	Yes 🗸	No 🗆	NA 🗌	
4. Were all samp	ples received at a temperate	ure of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
5. Sample(s) in	proper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sam	nple volume for indicated tes	st(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG) prop	perly preserved?	Yes 🗸	No 🗌		
8. Was preserva	tive added to bottles?		Yes	No 🗹	NA 🗆	
9. Received at le	east 1 vial with headspace <	1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10. Were any san	mple containers received bro	oken?	Yes	No 🗹	# of preserved	
	ork match bottle labels? ancies on chain of custody)		Yes 🗹	No 🗆	bottles checked for pH: (<2 or	>12 unless noted)
12. Are matrices of	correctly identified on Chain	of Custody?	Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what	t analyses were requested?		Yes 🗹	No 🗆		
	ng times able to be met? ustomer for authorization.)		Yes 🗸	No 🗆	Checked by: _ [DAD 04/29/22
	ing (if applicable)					
15. Was client no	tified of all discrepancies w	th this order?	Yes	No 🗌	NA 🗸	
Person	Notified:	Date	: [
By Who	om:	Via:		hone Fax	☐ In Person	
Regardi	ing:					
Client Ir	nstructions:					
16. Additional rer	marks:					1
17 Cooles led						
17. Cooler Information Cooler No	to be the second of the second	Seal Intact Seal No	Sool D-t-	C: 1 D		
1	1 dilip 0 Collulion	Seal Intact Seal No	Seal Date	Signed By		

	Cha	in-of-	Chain-of-Custody Record	Turn-Around Time:			Rece
Client: F	Hilcorp	Hilcorp Farmington NM	NN no:	X Standard			ived i
]		RATORY	
Mailing A	Address	382 Ro	Mailing Address: 382 Road 3100 Aztec, NM 87410	McCov Gas Com D 1E	4001	www.hallenvironmental.com	<i>CD</i> : .
Billing Ac	dress:	PO Box	Billing Address: PO Box 61529 Houston, TX 77208	Project #:	- 105 - 105	Tel 505-345-3075 Eav. 505-245-4407	3/24
Phone #:		505-486-9543	-9543			20	/202
email or Fax#:	Fax#:	Brandon	Brandon.Sinclair@hilcorp.com	Project Manager:			23 3
QA/QC Package:	ackage:						:03:
□ Standard	ard		☐ Level 4 (Full Validation)	Mitch Killowah			48 1
Accreditation:	ation:	□ Az Cc	mpliance	r: Brandon S			PM_
□ NELAC	ان	□ Other					
	Type)				928		-
				Cooler Temp(including cF): . \(- \beta - . \)	poq;		
Date T	Time	Matrix	Sample Name	Container Type Preservative HEAL No.	EX W [©]		
17	,			- Jype	T8		
4-58132	32.5	Water	MW-1R	(3) 40ml VOA HCL DD \	×		_
							-
							-
							\bot
							-
							L
	\top						
	\top						
$\frac{1}{2}$	T						
	1						
Date: Tin	Time:	Relinquished bv:					
20	-0	Welingiiched by	K	4 (Jas 4/28/2	Remark CC:	Remarks: Special Pricing See Andy $CC : M k : 1 push(Qh) (corp.com)$	
2	7	5	My Laules	Received by: Jia: Ec. Date Time			Pa
	<u>.</u>	hecessary, s	amples submitted to Hall Environmental may be sub	If necessary, samples submitted to Hall Environmental may be subsontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	ns possibility. Any sul		ge 28 of 4
							10



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

August 08, 2022

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: McCoy Gas Com D 1E OrderNo.: 2207F74

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/30/2022 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 don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Surr: Toluene-d8

Analytical Report

Lab Order 2207F74

Date Reported: 8/8/2022

8/2/2022 8:42:13 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW-1R

 Project:
 McCoy Gas Com D 1E
 Collection Date: 7/29/2022 12:20:00 PM

 Lab ID:
 2207F74-001
 Matrix: AQUEOUS
 Received Date: 7/30/2022 9:30:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 8260: VOLATILES SHORT LIST** Analyst: RAA ND 2.0 D μg/L 2 8/2/2022 8:42:13 PM 2 Toluene ND 2.0 D μg/L 8/2/2022 8:42:13 PM Ethylbenzene D μg/L 2 8/2/2022 8:42:13 PM 6.9 2.0 Xylenes, Total 52 3.0 D μg/L 2 8/2/2022 8:42:13 PM Surr: 1,2-Dichloroethane-d4 108 70-130 D %Rec 2 8/2/2022 8:42:13 PM Surr: 4-Bromofluorobenzene 110 70-130 %Rec 2 8/2/2022 8:42:13 PM Surr: Dibromofluoromethane 70-130 %Rec 2 8/2/2022 8:42:13 PM 103 D

96.8

D

%Rec

70-130

2

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

QL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 2

Hall Environmental Analysis Laboratory, Inc.

2207F74 08-Aug-22

WO#:

Client: HILCORP ENERGY
Project: McCoy Gas Com D 1E

Sample ID: 100ng Ics	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8260: Volatile	s Short Li	st	
Client ID: LCSW	Batch	n ID: SL	89979	F	RunNo: 89	9979				
Prep Date:	Analysis D	Date: 8/2	2/2022	5	SeqNo: 32	206414	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	106	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		109	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		109	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID: mb	Samp	Type: ME	BLK	Tes	stCode: EF	PA Method	8260: Volatile	s Short Li	st	
Client ID: PBW	Batcl	h ID: SL	89979	F	RunNo: 89	9979				
Prep Date:	Analysis [Date: 8/ 2	2/2022	5	SeqNo: 32	206416	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	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 2

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107 **ABORATORY** Website: www.hallenvironmental.com Client Name: HILCORP ENERGY Work Order Number: 2207F74 RcptNo: 1 Received By: Tracy Casarrubias 7/30/2022 9:30:00 AM Completed By: Tracy Casarrubias 7/30/2022 11:01:47 AM See 8/1/22 Reviewed By: Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? Courier Log In 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 No 🗸 Yes NA \square Samples not Fozen 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? No 🗸 NA 🗌 Yes 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗌 NA 🗸 Yes 10. Were any sample containers received broken? Yes \square No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 Checked by: 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15.

client notified of all discrepancies with this	order? Yes L No L NA
Person Notified:	Date:
By Whom:	Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	
Client Instructions:	

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	-0.1	Good	Yes			

Chain-of-Custody Record	Time:	HALL ENVIRONMENTAL
	A Standard □ Rush Project Name:	YSIS LABORATOR
Mailing Address: 382 Road 3100 Aztec, NM 87410	McCov Gas Com D 1F	
Billing Address: PO Box 61529 Houston, TX 77208	Project #:	- Albuquerque, NM 8/109
505-486-9543		Analysis Reminest
Brandon. Sinclair@hilcorp.com	Project Manager:	
QA/QC Package:		3:02
☐ Level 4 (Full Validation)	Mitch Killoush	3:48
	r: Brandon Sinc	PM
☐ INELAC ☐ Other	On Ice: M Yes Do	09
		1 82
	Cooler emp(including CF): \Q. - \Q = - \Q. \Cooler	pouli
Time Matrix Sample Name	Container Type Preservative Type 22 CATERU.	элех ме
Water MW-1R	(3) 40ml VOA HCL OG1	×
i,		
Relinquished by:	Received by: Via: , C Date , Time	Remarks: Special Driving Sec Andr.
143 5 MTIME: Retinquished by:	Want 7/29/22 143	School openial riching See Allay
White Water	130/12 9:30	
necessary, samples submitted to Hall Environmental may be	e subconfracted to other accredited laboratories. This serves as notice of this	ted data will be o
		10



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 02, 2022

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: McCoy Gas Com D 1E OrderNo.: 2210D65

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/27/2022 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 don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order **2210D65**

Date Reported: 11/2/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: MW-1R

Project: McCoy Gas Com D 1E Collection Date: 10/26/2022 3:00:00 PM

2210D65-001 Lab ID: Matrix: AQUEOUS Received Date: 10/27/2022 6:45:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: JR
Benzene	ND	5.0	D	μg/L	5	10/28/2022 9:34:14 PM
Toluene	ND	5.0	D	μg/L	5	10/28/2022 9:34:14 PM
Ethylbenzene	12	5.0	D	μg/L	5	10/28/2022 9:34:14 PM
Xylenes, Total	100	7.5	D	μg/L	5	10/28/2022 9:34:14 PM
Surr: 1,2-Dichloroethane-d4	87.9	70-130	D	%Rec	5	10/28/2022 9:34:14 PM
Surr: 4-Bromofluorobenzene	105	70-130	D	%Rec	5	10/28/2022 9:34:14 PM
Surr: Dibromofluoromethane	96.2	70-130	D	%Rec	5	10/28/2022 9:34:14 PM
Surr: Toluene-d8	104	70-130	D	%Rec	5	10/28/2022 9:34:14 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
- Sample pH Not In Range

RL Reporting Limit Page 1 of 3

Hall Environmental Analysis Laboratory, Inc.

2210D65 02-Nov-22

WO#:

Client: HILCORP ENERGY
Project: McCoy Gas Com D 1E

Sample ID: 100ng lcs2	SampT	ype: LC	S	Tes	tCode: EF	A Method	8260B: VOLA	TILES		
Client ID: LCSW	Batch	n ID: R9 2	2188	F	RunNo: 92	2188				
Prep Date:	Analysis D	Date: 10	/28/2022	5	SeqNo: 33	809937	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	70	130			
Toluene	21	1.0	20.00	0	107	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		105	70	130			
Surr: Dibromofluoromethane	11		10.00		111	70	130			
Surr: Toluene-d8	11		10.00		105	70	130			

Sample ID: 100ng lcs3	SampT	ype: LC	S	TestCode: EPA Method 8260B: VOLATILES								
Client ID: LCSW	Batch	n ID: R9	2188	RunNo: 92188								
Prep Date:	Analysis D)ate: 10	/29/2022	5								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	20	1.0	20.00	0	102	70	130					
Toluene	20	1.0	20.00	0	97.8	70	130					
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.2	70	130					
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130					
Surr: Dibromofluoromethane	11		10.00		112	70	130					
Surr: Toluene-d8	9.6		10.00		95.5	70	130					

Sample ID: mb	Samp1	ype: ME	BLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batcl	n ID: R9	2188	F	RunNo: 92	2188						
Prep Date:	Analysis D	Date: 10	/28/2022	;	SeqNo: 3;	310038	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	1.5										
Surr: 1,2-Dichloroethane-d4	9.9		10.00		98.9	70	130					
Surr: 4-Bromofluorobenzene	10		10.00		100	70	130					
Surr: Dibromofluoromethane	11		10.00		109	70	130					

Sample ID: mb2	SampT	уре: МВ	BLK	TestCode: EPA Method 8260B: VOLATILES									
Client ID: PBW	Batch	ID: R9 2	2188	F	RunNo: 92	2188							
Prep Date:	ep Date: Analysis Date: 10/29/2022				SeqNo: 33	310039	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											

10.00

Qualifiers:

Surr: Toluene-d8

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.

11

B Analyte detected in the associated Method Blank

108

70

130

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 3

Hall Environmental Analysis Laboratory, Inc.

2210D65 02-Nov-22

WO#:

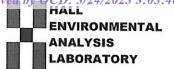
Client: HILCORP ENERGY **Project:** McCoy Gas Com D 1E

Sample ID: mb2	Samp ¹	Гуре: МЕ	BLK	TestCode: EPA Method 8260B: VOLATILES										
Client ID: PBW	Batc	h ID: R9	2188	F	RunNo: 92	2188								
Prep Date:	Analysis [Date: 10	/29/2022	5	SeqNo: 33	310039	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Ethylbenzene	ND	1.0												
Xylenes, Total	ND	1.5												
Surr: 1,2-Dichloroethane-d4	9.3		10.00		93.3	70	130							
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130							
Surr: Dibromofluoromethane	10		10.00		99.7	70	130							
Surr: Toluene-d8	11		10.00		109	70	130							

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL 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
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 3 of 3



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: www.hallenvironmental.com Client Name: HILCORP ENERGY Work Order Number: 2210D65 RcptNo: 1 flansay Received By: Juan Rojas 10/27/2022 6:45:00 AM Completed By: Tracy Casarrubias 10/27/2022 9:44:28 AM Reviewed By: KPG 10-27-22 Chain of Custody 1. Is Chain of Custody complete? No 🗌 Yes 🗸 Not Present 2. How was the sample delivered? Courier Log In 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 No 🗌 Yes 🗸 NA \square 5. Sample(s) in proper container(s)? Yes 🗸 No \square 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No \square 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No \square 8. Was preservative added to bottles? Yes No 🔽 NA \square 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗸 NA 🗌 No \square Yes 10. Were any sample containers received broken? No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Yes 🗸 No \square Checked by: Mil 27/2 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) 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 Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 0.8

Page 1 of 1

Good

Yes

Chain-of-Custody Record Turn-Around Time. ANALYSIS LABORATO		HALL ENVIRONMENTAL AND AND ASSETS A BRODATODY I		37109		Analysis Request		:03:4	48 F	PPM										Remarks: Special Pricing See Andy	P
In-of-Custody Record Turn-Around Tin Farmington NW Farmington NW Farmington NW X Standard Project Name: 5:382 Road 3100 Aztec, NM 87410 Project Name: 505-486-9543 Project Manager Project Manag		Rush		16					10000	Sinc	0N 	20.02	22 ICD 105	- 00							122
Chain-of-Custody Record It: Hilcorp Farmington NM Ing Address: 382 Road 3100 Aztec, NM 87410 g Address: PO Box 61529 Houston, TX 77208 In Fax#: 505-486-9543 I or Fax#: Brandon, Sinclair@hilcorp.com I c Package: Brandon, Sinclair@hilcorp.com I c Do Type I ime Matrix Sample Name I ime: Relinquished by: I s Coo Water NW-1R I ime: Relinquished by: I ime: Relinquished by: I ime: Relinquished by:	Turn-Around Time:		Project Name:	McCoy			Project Manager:		itch	i.i.	# of Coolers:	Cooler Temp(including CF):	Container Type Preserv and # Type	OA					-		The
Chain-of-Cha	Sustody Record	MN no		1d 3100 Aztec, NM 87410	1529 Houston, TX 77208	9543	Sinclair@hilcorp.com		☐ Level 4 (Full Validation)	mpliance			Sample Name	MW-1R						d by:	3
	Chain-of-(1-		ng Address: 382 Ros	g Address: PO Box 6	ie #: 505-486-		400,000	andard				Time Matrix	S ISOD Water						Time:	

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

District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 200715

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	200715
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2022 Annual Groundwater Monitoring Report for McCoy Gas Com D 1E: Content is incomplete for closure 1. In order to meet abatement completion and closure of the incident, Hilcorp must submit an abatement and completion report for the site in accordance with 19.15.30.19 of the NMAC 2. With the closure and completion report there must be a work plan also submitted for sampling the vadose zone to demonstrate the release at the site has met closure criteria and the abatement standards, as per 19.15.30.9 paragraph D of the NMAC. 3. Please upload the approved Groundwater Monitoring Plan into the incident/well file via online permitting site.	5/22/2024