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Third Quarter 2021 Groundwater Monitoring Report

Hobbs Gas Plant
NMOCD AP-122
Lea County, New Mexico
EMNRD Incident No. NPAC0706832026

DCP Operating Company

June 7, 2022

→ The Power of Commitment

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1. Introduction

GHD Services Inc. (GHD), on behalf of DCP Operating Company (DCP), submits this Third Quarter 2021Groundwater Monitoring Report (Report) in compliance with New Mexico Oil Conservation Division (NMOCD) of the Energy, Minerals, and Natural Resources Department (EMNRD) requirements. This Site has been assigned EMNRD Incident Number NPAC0706832026 and falls under NMOCD Abatement Plan Number AP-122. This Report provides the results of the quarterly groundwater sampling event (GWSE) completed at Hobbs Gas Plant (Site) during the third quarter of 2021 (3Q2021).

The Site is located in SW ¼, NE ¼, Section 36, Township 18 South, Range 36 East in Lea County, New Mexico. The GPS coordinates are 32.705330° N latitude and 103.306600° W longitude. A Site Location Map is provided as Figure 1. The Site Details Map is included as Figure 2.

1.1 Site History

The Site is an inactive cryogenic gas processing plant that occupies approximately 3.5 acres surrounded by undeveloped land. The facility contained a laboratory, an amine unit, compressors, molecular sieve dehydration equipment, tank batteries, and an on-Site water production well used for non-potable water. There are seven on-Site groundwater monitor wells (MW-AR, MW-B, MW-C, MW-D, MW-E, MW-F, and MW-GR). Replacement monitor well MW-GR was drilled and constructed at the Site upon approval from New Mexico Oil Conservation Division (NMOCD) in March 2018. The DCP Apex Compressor Station (GW-163, Incident ID NAUTOFCS000131) is located approximately 750 feet (ft) to the north.

A petroleum release was first discovered when Duke Energy Field Services conducted an environmental assessment of the Site in support of a property transaction. Initial findings indicated groundwater from a newly installed monitor well near the amine skid in the southeast corner of the Site contained elevated concentrations of benzene.

2. Regulatory Framework

The New Mexico Administrative Code requires groundwater to be analyzed for potential contaminants as defined by the New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103 Section A, which provide Human Health Standards for Groundwater. The constituents of concern (COCs) in affected groundwater at the Site are benzene, toluene, ethylbenzene, and total xylenes (BTEX). The regulation also states that light non-aqueous liquids (LNAPL) shall not be present floating atop or immersed within groundwater, as can be reasonably measured. NMWQCC standards as shown in Table 2.1 are used to guide assessment of the Site.

Table 2.1 NMWQCC Human Health Standards for Groundwater

Analyte	Units
Benzene	5 µg/L
Toluene	1000 µg/L
Ethylbenzene	700 µg/L
Total Xylenes	620 µg/L
Notes: µg/L = micrograms per liter	

3. Third Quarter 2021 Groundwater Sampling Event

GHD conducted the third quarter GWSE for seven groundwater monitoring wells in September 2021. Sample locations can be viewed in the Site Details Map provided as Figure 2. All groundwater monitoring wells were sampled in accordance with the following groundwater sampling schedule, as approved by the NMOCD.

Table 3.1 NMOCD-Approved Groundwater Sampling Schedule

Sample Location ID	Groundwater Sampling Schedule
MW-AR; MW-B; MW-C; MW-D; MW-E; MW-F; MW-GR	Quarterly

3.1 Groundwater Sampling Methodology

Static fluid levels were gauged with an oil-water interface probe to the nearest hundredth of a foot for all on-Site monitor wells. Wells not containing LNAPL with sufficient water for sampling were purged of three well volumes of groundwater or in situations where the water column was thin, groundwater samples were collected with limited purging. Hand-bailing, using clean disposable polyvinyl chloride (PVC) bailers, was the method used for groundwater purging and sampling. The purged groundwater was stored in a labelled 55-gallon plastic barrel located at the Site. Purged groundwater are periodically removed for disposal at a licensed facility per directives of DCP.

Laboratory-supplied containers were filled with groundwater directly from the PVC bailer used for purging, then placed on ice and chilled to a temperature of approximately 4 degrees Celsius (°C). All groundwater samples were analyzed for BTEX by EPA Method 8260B. A duplicate sample was generally collected every 10 wells and analyzed for BTEX by EPA Method 8260B. All groundwater samples were analyzed by Pace Analytical Laboratory (Pace) in Mount Juliet, Tennessee. Certified Laboratory Reports and Chain-of-Custody are provided in Appendix B.

3.2 Laboratory Analytical Results

BTEX Analytical Results for Groundwater Sampling Events 3Q2021 are included in Table 2. BTEX concentrations for September 2021 are shown on Figure 4. All analytical results are compared to the NMWQCC Human Health Standards found in Table 3.1.

3.2.1 Third Quarter Summary

On September 29, 2021, GHD collected groundwater samples for groundwater monitor wells MW-C and MW-F. Approximately 0.8 gallons of groundwater were purged and stored on-Site in a labelled 55-gallon plastic barrel. Monitor wells MW-C and MW-F did not exhibit BTEX concentrations above the NMWQCC criteria. Groundwater samples could not be collected in any other Site wells due to the wells having an insufficient amount of groundwater.

Charts of Dissolved Benzene versus Time for monitor wells MW-C and MW-F are provided in Appendix A. All charts show historical trends over the past decade, including this 3Q2021 GWSE. Historical hydrocarbon impacts to groundwater over the past decade for all groundwater monitoring wells that are currently dry can be seen in previous quarterly reports (tables, figures, etc.) submitted to the NMOCD.

4. Elevation and Gradient of the Potentiometric Surface

During the 3Q2021 GWSE, GHD conducted gauging events prior to the groundwater sample collection on September 29, 2021. All fluid level measurements were from tops of casings which were professionally surveyed. Due to the lack of three elevation points, there was insufficient elevation data to determine the gradient of the potentiometric surface during September 2021. Historical elevation data, which can be seen in previous quarterly reports submitted to the NMOCD, indicates groundwater flow is generally toward the southeast. The elevation of the potentiometric surface indicates an average decline of 0.13 ft between June and September 2021. Data for the Third Quarter 2021 Gauging and Elevation of the Potentiometric Surface is provided in Table 1. A map of the Potentiometric Surface for September 2021 is provided as Figure 3.

5. Summary of Findings

Base on the GWSE performed at the Site during the 3Q2021, the following summary of findings is presented.

- The only wells with sufficient groundwater for sampling in 3Q2021 were monitor wells MW-C and MW-F.
- Monitor wells MW-AR, MW-B, MW-D, MW-E, and MW-GR are dry wells as of September 2021. Historical hydrocarbon impacts to groundwater over the past decade for these groundwater monitoring wells can be seen in previous quarterly reports submitted to the NMOCD.
- There is insufficient data to determine the gradient of the potentiometric surface during September 2021. Historical data indicates groundwater flow is generally southeast.
- The elevation of the potentiometric surface indicates an average decline of 0.13 ft between June and September 2021.
- Measurable LNAPL was not present in any wells due to a decreasing water table. Historical LNAPL thicknesses for all groundwater monitoring wells can be seen in previous quarterly reports submitted to the NMOCD.
- Monitor wells MW-C and MW-F exhibited BTEX concentrations below the NMWQCC Human Health Standards during 3Q2021.

6. Recommendations

Based upon the data and findings presented in this Report, the following are recommended for the fourth quarter of 2021:

- Continue NMOCD-approved quarterly GWSEs for BTEX by EPA Method 8260B for all monitor wells located on-Site.
- Replacement wells are scheduled to be installed during the summer of 2022 to delineate the nature and extent of LNAPL and hydrocarbon impacted groundwater.

Table 1

Third Quarter 2021 Gauging and Elevation - Potentiometric Surface
DCP Midstream, LP
Hobbs Gas Plant, Lea County, New Mexico
NMOCD AP-122, EMNRD Incident Number NPAC0706832026

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Water (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft)	Elevation of Potentiometric Surface (famsl)	Measured Total Depth (fbtoc)	Volume LNAPL Recovered (gal)	Volume Groundwater Bailed (gal)
MW-AR	3755.73	9/29/2021	-	-	-	Dry	69.27	-	-
MW-B	3755.70	9/29/2021	-	-	-	Dry	71.02	-	-
MW-C	3755.35	9/29/2021	73.35	-	0.00	3682.00	75.31	-	0.5
MW-D	3755.19	9/29/2021	-	-	-	Dry	69.86	-	-
MW-E	3754.11	9/29/2021	-	-	-	Dry	71.28	-	-
MW-F	3755.88	9/29/2021	73.39	-	0.00	3682.49	75.45	-	0.3
MW-GR	3754.70	9/29/2021	-	-	-	Dry	72.56	-	-

Notes:

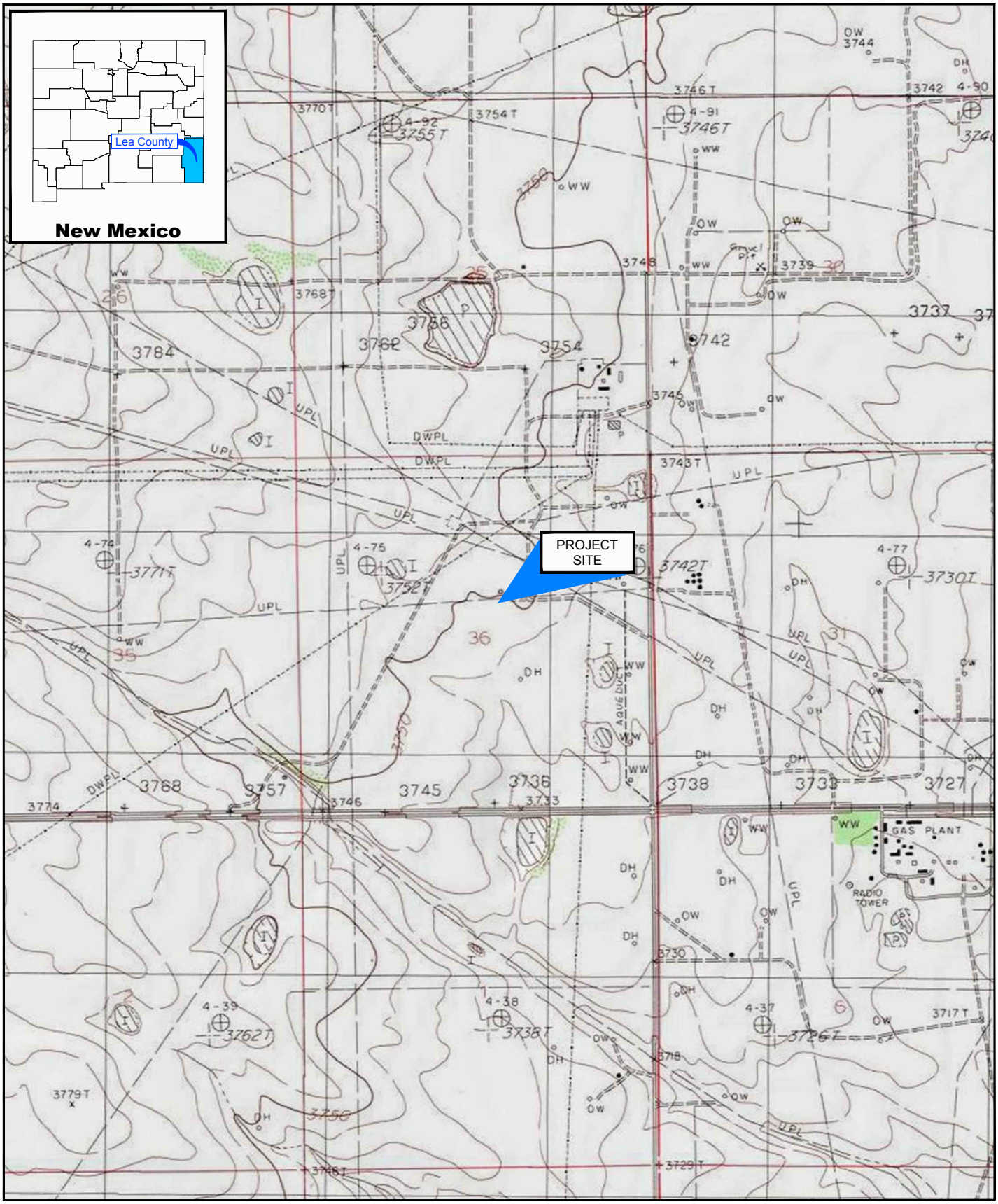
1. famsl = feet above mean sea level
2. fbtoc = feet below top of casing
3. ft. = feet
4. gal. = gallons
5. If measurable LNAPl was present, elevation of the potentiometric surface was calculated using 0.81 as specific gravity of LNAPL.
6. MW-GR was installed in March 2018 to replace MW-G and surveyed on June 20, 2018.
7. Wells were re-surveyed on September 25, 2013.

Table 2

BTEX Analytical Results for Groundwater Sampling Events - Third Quarter 2021
DCP Midstream, LP
Hobbs Gas Plant, Lea County, New Mexico
NMOCD AP-122, EMNRD Incident Number NPAC0706832026

Well ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Human Health Standards		**5**	**1000**	**700**	**620**
MW-C	9/29/2021	**0.164 J**	<0.278	<0.137	<0.174
MW-F	9/29/2021	**0.410 J**	<0.556	<0.274	<0.348

Notes:
1. µg/L = micrograms per Liter
2. BTEX analyses by EPA Method 8260B.
3. NMWQCC = New Mexico Water Quality Control Commission.
4. Bold indicates detection.
5. Yellow shaded cells indicate detection above NMWQCC Human Health Standard.
6. J flag indicates the identification of the analyte is acceptable; the reported value is an estimate.
7. < indicates analyte not detected.



Source: USGS 7.5 Minute Quad "Monument North, New Mexico"

Lat/Long: 32.7056° North, 103.3072° West

0 1000 2000ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

DCP MIDSTREAM, LP
HOBBS GAS PLANT NMOCD AP-22

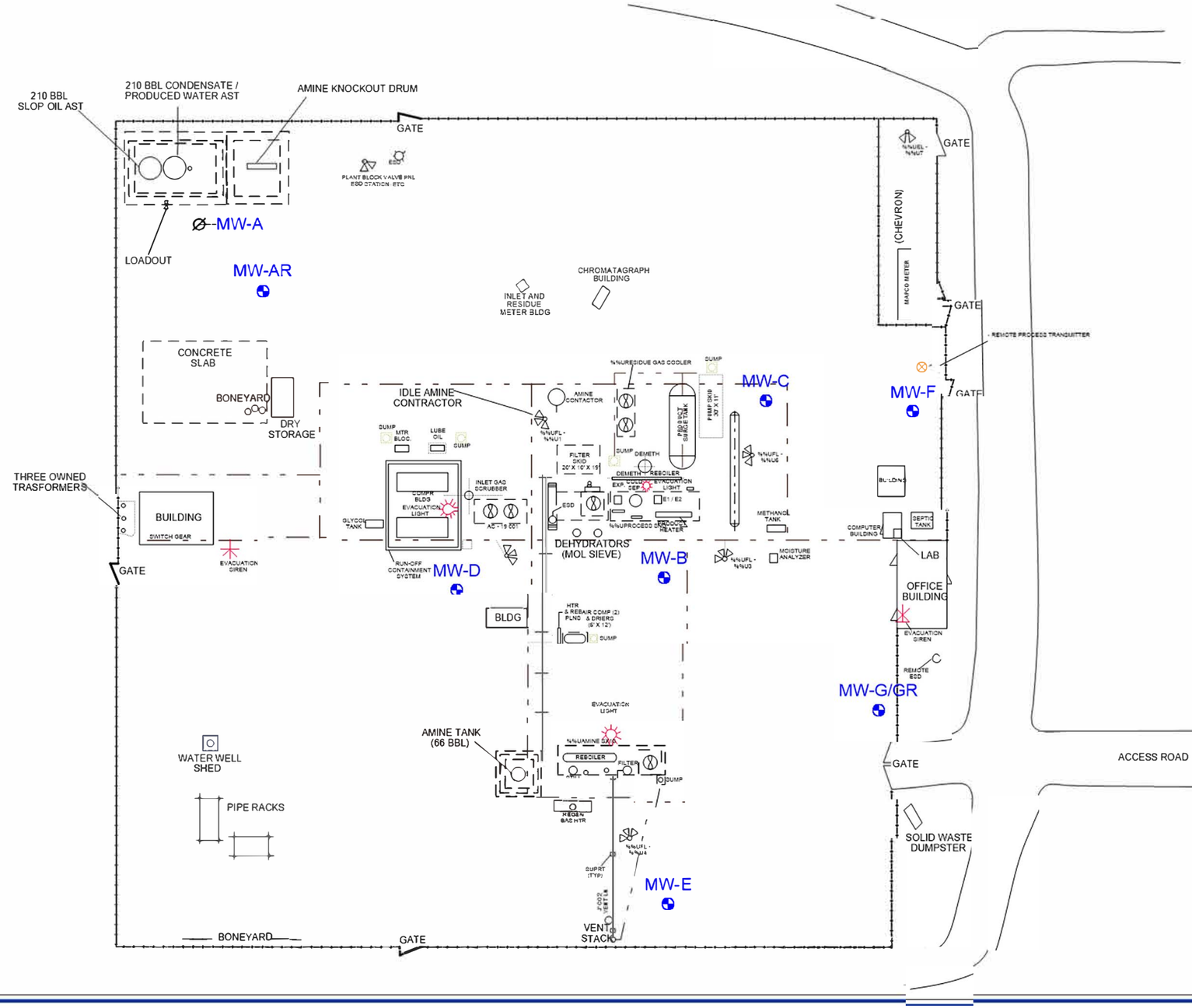
SITE LOCATION MAP

11209459-02

Dec 19, 2018

FIGURE 1

11209459-03 (48)



PROJECT 11209459

APRIL 7, 2021

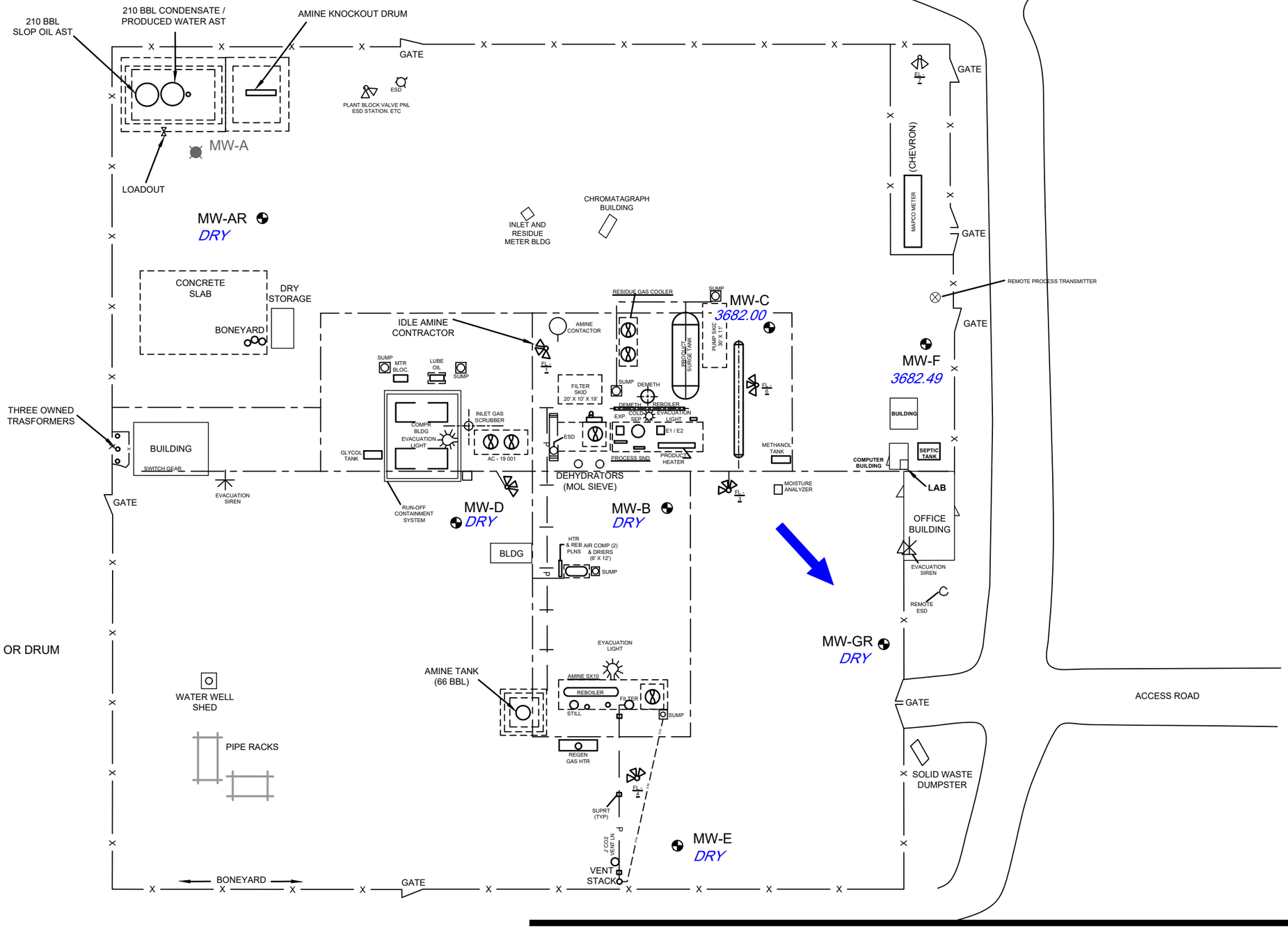
0 ft. 30 ft. 60 ft.

- Monitor Well Location
- Ø Location of Destroyed Monitor Well
- Fence Line

DCP OPERATING COMPANY
HOBBS GAS PLANT, NMOCD AP-122

SITE DETAILS MAP

FIGURE 2



LEGEND

- REPORTED TRACT BOUNDARY
- FENCE
- PIPELINE
- SECONDARY CONTAINMENT
- ABOVEGROUND STORAGE TANK (AST) OR DRUM
- MW-C *3682.00* — EXISTING MONITORING WELL ID, GROUNDWATER ELEVATION
- MW-A — DESTROYED WELL
- GROUNDWATER FLOW DIRECTION

NOTE:
INSUFFICIENT DATA TO DETERMINE GRADIENT GROUNDWATER CONTOURS.

HISTORICAL DATA INDICATES GROUNDWATER FLOW IS TO THE SOUTHEAST.

0 25 50 ft
1" = 50 ft

N

GHD

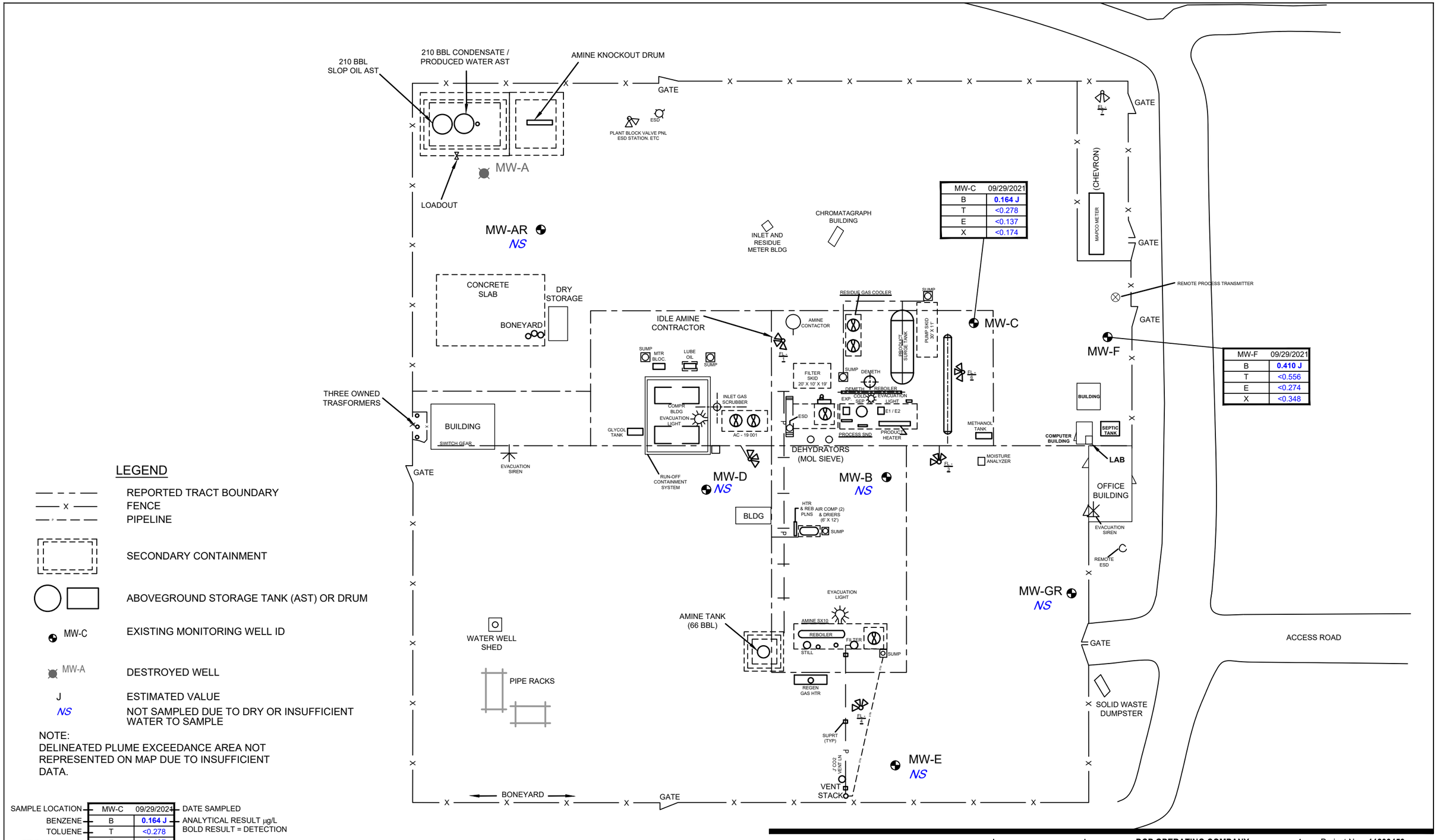
DCP OPERATING COMPANY
HOBBS GAS PLANT NMOCD AP-22

MAP OF POTENTIOMETRIC SURFACE
SEPTEMBER 29, 2021

Project No. **11209459**
Date **March 25, 2022**

FIGURE 3

Filename: N:\US\Midland\Projects\56\21\1209459\Digital_Design\ACAD\Figures\RPT001\11209459-GHD-00-00-RPT-EN-D103_GB-001.dwg



LEGEND

- REPORTED TRACT BOUNDARY
- FENCE
- PIPELINE
- SECONDARY CONTAINMENT
- ABOVEGROUND STORAGE TANK (AST) OR DRUM
- MW-C — EXISTING MONITORING WELL ID
- MW-A — DESTROYED WELL
- J — ESTIMATED VALUE
- NS — NOT SAMPLED DUE TO DRY OR INSUFFICIENT WATER TO SAMPLE

NOTE:
DELINEATED PLUME EXCEEDANCE AREA NOT REPRESENTED ON MAP DUE TO INSUFFICIENT DATA.

SAMPLE LOCATION	MW-C	09/29/2021 — DATE SAMPLED
BENZENE	B	**0.164 J** — ANALYTICAL RESULT µg/L
TOLUENE	T	<0.278 — BOLD RESULT = DETECTION
ETHYLBENZENE	E	<0.137
TOTAL XYLENES	X	<0.174

0 25 50 ft
1" = 50 ft

N

GHD

DCP OPERATING COMPANY
HOBBS GAS PLANT NMOCD AP-22

MAP OF BTEX CONCENTRATIONS
SEPTEMBER 29, 2021

Project No. **11209459**
Date **March 25, 2022**

FIGURE 4

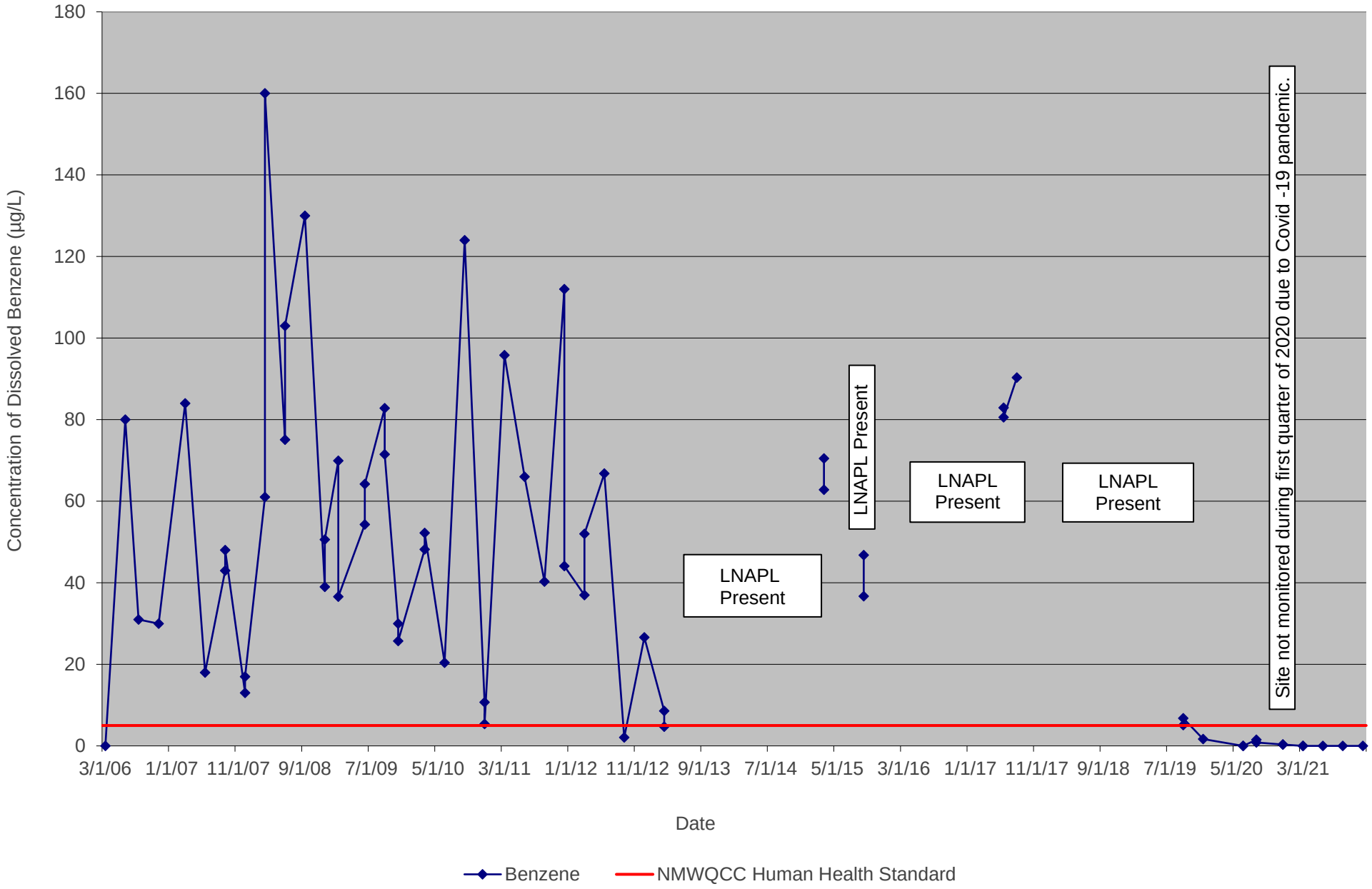
Filename: N:\US\Midland\Projects\56211209459\Digital_Design\ACAD\Figures\RPT001\11209459-GHD-00-00-RPT-EN-D107_GB-001.dwg

Appendices

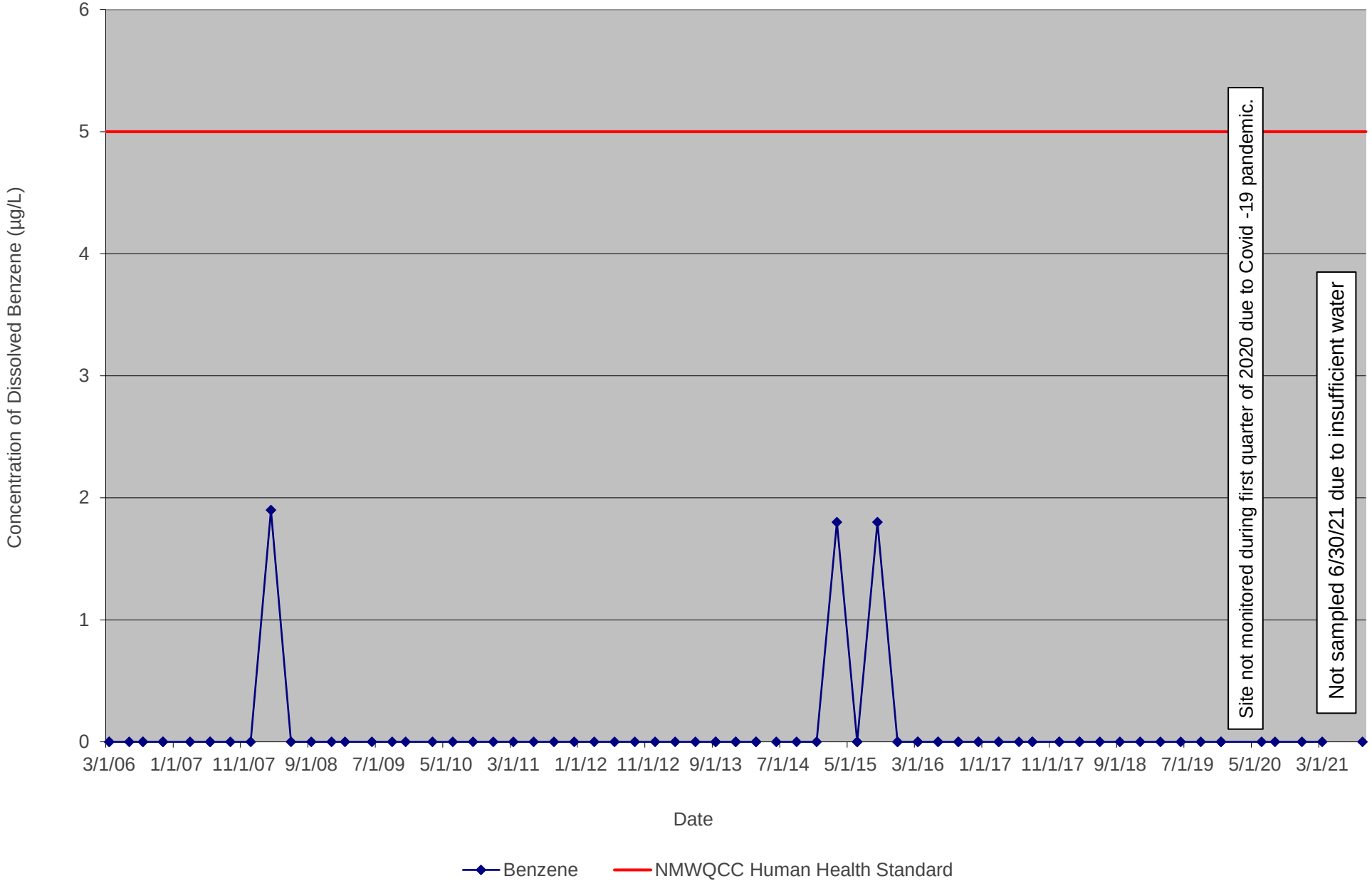
Appendix A

Charts of Dissolved Benzene Concentrations Versus Time

DCP Midstream, LP
Hobbs Gas Plant
Lea County, New Mexico
Concentration of Dissolved Benzene vs. Time
MW-C



DCP Midstream, LP
Hobbs Gas Plant
Lea County, New Mexico
Concentration of Dissolved Benzene vs. Time
MW-F



GHD 11209495 (3)

Appendix B

Certified Laboratory Reports and Chain-of-Custody Documentation

Pace Analytical®

ANALYTICAL REPORT

October 15, 2021

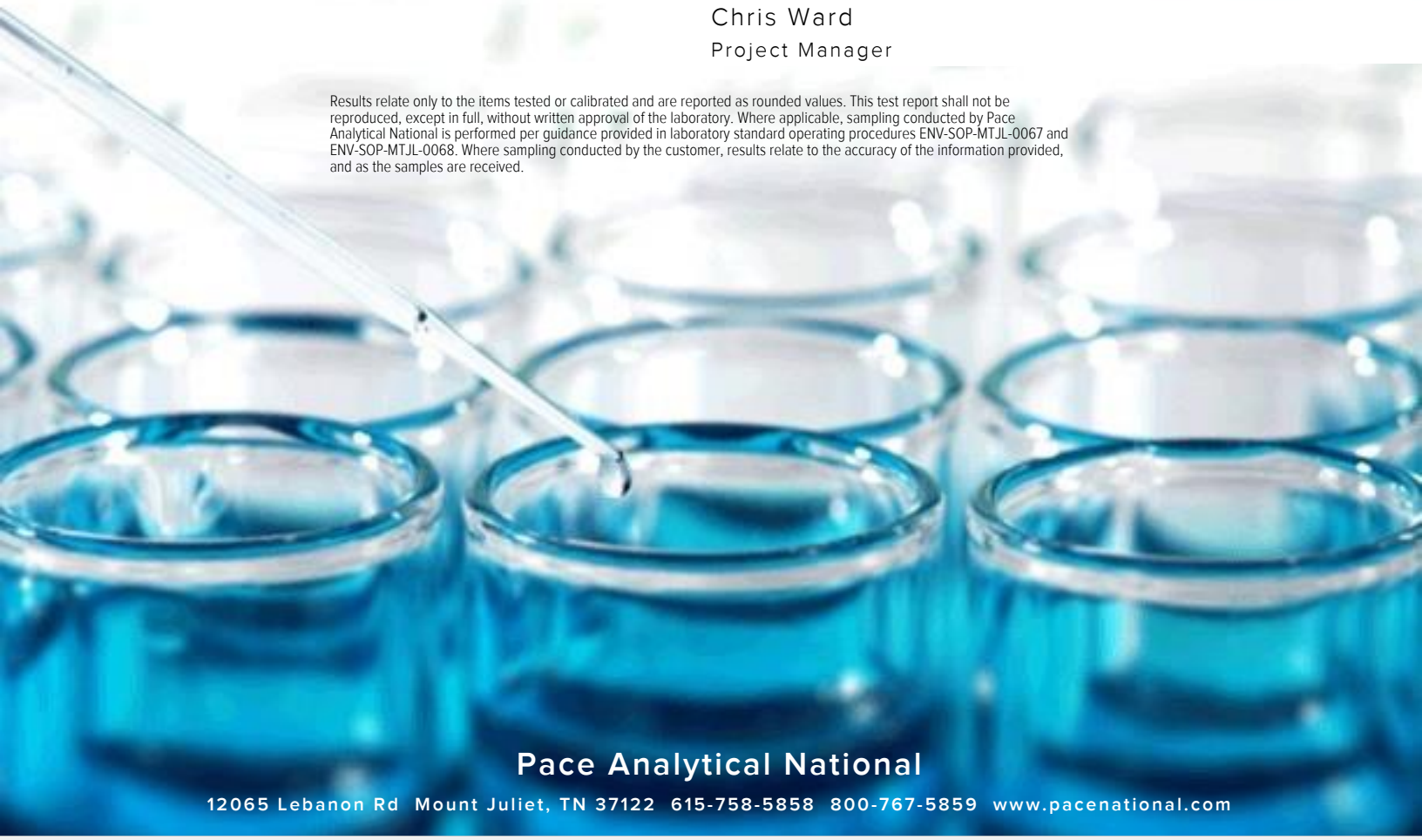
DCP Midstream - GHD

Sample Delivery Group:	L1412181
Samples Received:	10/01/2021
Project Number:	11209459/02
Description:	DCP Hobbs Gas Plant

Report To: John Schnable
13091 Pond Springs Road, Suite A100
Austin, TX 78729

Entire Report Reviewed By: Chris Ward

Chris Ward
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW-F-092921 L1412181-01 GW

			Collected by	Collected date/time	Received date/time	
				09/29/21 10:55	10/01/21 16:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1755944	2	10/13/21 09:14	10/13/21 09:14	JCP	Mt. Juliet, TN

MW-C-092921 L1412181-02 GW

			Collected by	Collected date/time	Received date/time	
				09/29/21 10:55	10/01/21 16:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1754167	1	10/10/21 02:56	10/10/21 02:56	JCP	Mt. Juliet, TN

DUP-1-092921 L1412181-03 GW

			Collected by	Collected date/time	Received date/time	
				09/29/21 10:55	10/01/21 16:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1754167	1	10/10/21 03:16	10/10/21 03:16	JCP	Mt. Juliet, TN

TRIP L1412181-04 GW

			Collected by	Collected date/time	Received date/time	
				09/29/21 10:55	10/01/21 16:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1754167	1	10/09/21 21:30	10/09/21 21:30	JCP	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris Ward
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1412181-01	MW-F-092921	8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	SDL ug/l	Unadj. MQL ug/l	MQL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.410	J	0.188	1.00	2.00	2	10/13/2021 09:14	WG1755944
Toluene	U		0.556	1.00	2.00	2	10/13/2021 09:14	WG1755944
Ethylbenzene	U		0.274	1.00	2.00	2	10/13/2021 09:14	WG1755944
Total Xylenes	U		0.348	3.00	6.00	2	10/13/2021 09:14	WG1755944
(S) Toluene-d8	*109*				*80.0-120*		*10/13/2021 09:14*	WG1755944
(S) 4-Bromofluorobenzene	*101*				*77.0-126*		*10/13/2021 09:14*	WG1755944
(S) 1,2-Dichloroethane-d4	*105*				*70.0-130*		*10/13/2021 09:14*	WG1755944

Sample Narrative:

L1412181-01 WG1755944: Lowest possible dilution due to sediment in sample vial.

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	SDL ug/l	Unadj. MQL ug/l	MQL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.164	J	0.0941	1.00	1.00	1	10/10/2021 02:56	WG1754167
Toluene	U		0.278	1.00	1.00	1	10/10/2021 02:56	WG1754167
Ethylbenzene	U		0.137	1.00	1.00	1	10/10/2021 02:56	WG1754167
Total Xylenes	U		0.174	3.00	3.00	1	10/10/2021 02:56	WG1754167
(S) Toluene-d8	*104*				*80.0-120*		*10/10/2021 02:56*	WG1754167
(S) 4-Bromofluorobenzene	*92.5*				*77.0-126*		*10/10/2021 02:56*	WG1754167
(S) 1,2-Dichloroethane-d4	*93.4*				*70.0-130*		*10/10/2021 02:56*	WG1754167

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	SDL ug/l	Unadj. MQL ug/l	MQL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.159	J	0.0941	1.00	1.00	1	10/10/2021 03:16	WG1754167
Toluene	U		0.278	1.00	1.00	1	10/10/2021 03:16	WG1754167
Ethylbenzene	U		0.137	1.00	1.00	1	10/10/2021 03:16	WG1754167
Total Xylenes	U		0.174	3.00	3.00	1	10/10/2021 03:16	WG1754167
(S) Toluene-d8	*103*				*80.0-120*		*10/10/2021 03:16*	WG1754167
(S) 4-Bromofluorobenzene	*89.0*				*77.0-126*		*10/10/2021 03:16*	WG1754167
(S) 1,2-Dichloroethane-d4	*92.2*				*70.0-130*		*10/10/2021 03:16*	WG1754167

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	SDL ug/l	Unadj. MQL ug/l	MQL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1.00	1	10/09/2021 21:30	WG1754167
Toluene	U		0.278	1.00	1.00	1	10/09/2021 21:30	WG1754167
Ethylbenzene	U		0.137	1.00	1.00	1	10/09/2021 21:30	WG1754167
Total Xylenes	U		0.174	3.00	3.00	1	10/09/2021 21:30	WG1754167
(S) Toluene-d8	*103*				*80.0-120*		*10/09/2021 21:30*	WG1754167
(S) 4-Bromofluorobenzene	*88.7*				*77.0-126*		*10/09/2021 21:30*	WG1754167
(S) 1,2-Dichloroethane-d4	*94.4*				*70.0-130*		*10/09/2021 21:30*	WG1754167

Method Blank (MB)

(MB) R3715253-3 10/09/21 20:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	0.144	J	0.137	1.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.5*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3715253-1 10/09/21 19:48 • (LCSD) R3715253-2 10/09/21 20:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.32	5.11	106	102	70.0-123			4.03	20
Ethylbenzene	5.00	5.57	5.30	111	106	79.0-123			4.97	20
Toluene	5.00	5.35	5.06	107	101	79.0-120			5.57	20
Xylenes, Total	15.0	15.2	14.7	101	98.0	79.0-123			3.34	20
(S) Toluene-d8				*103*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*94.1*	*90.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*101*	*98.4*	*70.0-130*				

Method Blank (MB)

(MB) R3716604-3 10/13/21 02:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3716604-1 10/13/21 00:41 • (LCSD) R3716604-2 10/13/21 01:03

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	5.00	5.07	5.08	101	102	70.0-123			0.197	20
Ethylbenzene	5.00	5.07	5.38	101	108	79.0-123			5.93	20
Toluene	5.00	4.96	5.48	99.2	110	79.0-120			9.96	20
Xylenes, Total	15.0	15.6	16.3	104	109	79.0-123			4.39	20
(S) Toluene-d8				*111*	*115*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.2*	*97.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*108*	*107*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
DCP Midstream - GHD
13091 Pond Springs Road, Suite A100
Austin, TX 78729

Billing Information:
Direct Bill DCP Midstream
370 17th St, Ste 2500
Denver, CO 80202

Pres Chk

Report to: John Schnable

Email To: John.Schnable@ghd.com;glenn.quinney@ghd.c

Project Description: DCP Hobbs Gas Plant

City/State Collected:

Please Circle: PT MT CT ET

Phone: 512-506-8803

Client Project # 11209459/04

Lab Project # DCPGHD-11209459

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day ____ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	V8260BTEX 40mlAmb-HCl							Remarks	Sample # (lab only)
mw-F-092921	G	GW		9-29-21	1055	3			X								01
mw-C-092921	"	GW		"	1105	3			X								02
Dup-1-092921		GW		"		3			X								03
TRIP		GW				1			X								04
		GW															
		GW															
		GW															
		GW															
		GW															
		GW															

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Road Mt Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 14481

Table D198

Acctnum: DCPGHD

Template: T165340

Prelogin: P835970

PM: 824 - Chris Ward

PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
				AGR
Relinquished by : (Signature)	Date: 9/30	Time: 5:20	Received by: (Signature)	Temp: 3.6+0.3=4 °C Bottles Received: 9
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/1/21 Time: 1600

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

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
District IV
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 121151

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 121151
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record on 01/04/2023.	1/4/2023