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Dallas, Texas 75234
United States
ghd.com

REVIEWED

By Mike Buchanan at 4:16 pm, Dec 23, 2024

Your Ref.: Incident Number nAUTOFAB000027
Our Ref.: 12621861-NMOCD-2

December 10, 2024

State of New Mexico
Energy, Minerals, and Natural Resources Department
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

2024 Annual Groundwater Monitoring Report
Artesia Tank Farm
Centurion Pipeline, LP
Eddy County, New Mexico
New Mexico Oil Conservation Division Permit 2RP-6-0
Incident Number nAUTOFAB000027

To whom it may concern:

On behalf of Centurion Pipeline, LP (Centurion), GHD Services
Groundwater Monitoring Report (Report) for the above-referenced
Conservation Division (NMOCD). The Report summarizes activities

Review of the 2024
Annual Groundwater
Monitoring Report for
Artesia Tank Farm:
Content Satisfactory
1. Continue to conduct
groundwater samples
as approved and
prescribed by OCD.
2. Under
recommendations,
assessment and
remediation has been
recommended. Please
propose a work plan
with details to OCD
within sixty (60) days
from receipt of this
approval.
3. Continue to monitor
the site, and keep OCD
apprised of the incident
details by submitting
the 2024 annual report
by December 10, 2025.

the 2024 Annual
New Mexico Oil
Conservation Division (NMOCD) during 2024.

Should you have any questions or comments regarding this submittal, please contact the undersigned.

Regards,

GHD

Deedee Whittington

Deedee Whittington
Project Manager

+1 972 331-8551
deedee.whittington@ghd.com

BO/jlf/1

Encl.: 2024 Annual Groundwater Monitoring Report

Copy to: Stacy Boultinghouse, Energy Transfer
New Mexico State Land Office

Morgan Mitch McCall

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Project Director

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2024 Annual Groundwater Monitoring Report

**Artesia Tank Farm
Eddy County, New Mexico
NMOCD 2RP-6-0
Incident Number nAUTOFAB000027**

Centurion Pipeline, LP

December 10, 2024

➔ **The Power of Commitment**

Contents

1.	Introduction	1
1.1	Site Description Background	1
1.2	Geology and Hydrology	1
2.	Groundwater Monitoring	2
2.1	Monitoring Well Gauging	2
2.2	Groundwater Sampling	2
2.3	Quality Assurance/Quality Control	2
2.4	Analytical Results	2
3.	Summary and Recommendations	3
3.1	Summary	3
3.2	Recommendations	3
4.	Scope and Limitations	3

Table index

Table 1	Summary of Groundwater Measurement Data
Table 2	Summary of Groundwater Analytical Results

Figure index

Figure 1	Site Location Map
Figure 2	Site Details Map
Figure 3	Historic Site Details Map
Figure 4	COC Concentrations in Groundwater (2024)

Appendices

Appendix A	Laboratory Analytical Reports
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1. Introduction

This report presents the results of groundwater monitoring activities performed during 2024 by GHD Services Inc. (GHD) at the Centurion Pipeline, LP (Centurion), Artesia Tank Farm (Site). The Site is located 12 miles southeast of Artesia, New Mexico in Section 10, Township 18 South, and Range 27 East. Geographic coordinates for the Site are 32.761507° North and 104.270481° West (**Figure 1**). The Site is regulated by the New Mexico Oil Conservation Division (NMOCD) under remediation permit number 2RP-6 and associated with incident number nAUTOFAB000027.

1.1 Site Description Background

The Site consists of an active crude oil storage tank facility and associated subgrade pipelines. The Site has been in active assessment and remediation since 1993 when a release was discovered at the Site. A total of twenty-three soil borings and nineteen monitoring wells have been installed at the Site between 1993 and 2016. Seventeen of the nineteen monitoring wells have been plugged. **Figure 2** shows the well locations and other Site features.

In March 1993, a crude oil release was discovered at the Artesia Tank Farm. In August 1993, initial assessment activities, which included the advancement of twenty-three soil borings at the Site, identified impacts from light non-aqueous phase liquid (LNAPL) extended approximately 1,700 feet off-Site, along Scoggin Draw. An interceptor trench and associated groundwater separation/air-stripper remediation system were installed in November 1994 to control and remediate the LNAPL and dissolved-phase hydrocarbon plume. Seventeen monitoring wells (MW-1 through MW-14, MW-2A, MW-3A, and MW-3B) were subsequently installed along Scoggin Draw to evaluate and delineate the extent of the groundwater impact. Quarterly groundwater monitoring and reporting were performed until 1997, when the remediation system was shut down. The remediation system was subsequently dismantled in the fall of 1998. Between June 2003 and November 2013, all seventeen monitoring wells were plugged and abandoned following NMOCD approval. Historic well locations and remediation systems are depicted on **Figure 3**.

According to a status report submitted to the NMOCD on April 4, 2012, analytical data demonstrated general trends associated with biodegradation of residual petroleum hydrocarbons and the dissolved-phase contaminant plume appeared to be non-mobile and decreasing. Additionally, chemicals of concern (COC) concentrations in groundwater underlying areas outside of the tank farm were below applicable New Mexico Water Quality Control Commission (NMWQCC) standards. Based on this and the facilities active status, additional remediation at the Site has been deferred until the Site is more accessible for removal of LNAPL.

In October 2016, two monitoring wells (MW-1 and MW-2) were installed downgradient of the Site to monitor and confirm COC concentrations in groundwater off-Site remain below applicable NMWQCC standards. Annual groundwater monitoring events have occurred at the Site since 2016.

An annual groundwater monitoring event was conducted in September 2024 and is discussed in this report.

1.2 Geology and Hydrology

The lithology encountered during previous investigation activities at the Site consisted primarily of evaporates with intermittent layers of fine-grained sand. The surface contained intermittent caliche nodules. The United States Agricultural Department soil survey indicates that the Site is in the Artesia Group which consists of fine grain sandstones, evaporates, and dolostone.

2. Groundwater Monitoring

GHD performed an annual groundwater monitoring event on September 25, 2024. The monitoring program included gauging and collecting groundwater samples from the two monitoring wells MW-1 and MW-2.

2.1 Monitoring Well Gauging

GHD personnel measured the depth to groundwater and LNAPL thickness, if present, in the wells indicated above using an electronic oil/water interface probe (IP). LNAPL was not detected in either monitoring well in 2024. The IP was cleaned with laboratory grade soap and purified water prior to gauging each monitoring well. Groundwater measurement data is summarized in **Table 1**.

As the two monitoring wells are not surveyed, groundwater gradient was not calculated using the data generated during the monitoring event. Review of historical data indicates the groundwater gradient at the Site is generally to the west/southwest.

2.2 Groundwater Sampling

Following gauging, GHD personnel utilized dedicated polyethylene bailers to purge a minimum of three well volumes of groundwater or until the well was dry. The wells were given time to recover prior to collecting a groundwater sample. After purging, groundwater quality parameters of temperature, pH, oxidation reduction potential, and conductivity were collected with a multi-parameter groundwater quality meter to confirm stabilization of the groundwater prior to the collection of groundwater samples.

Following purging and confirmation of groundwater stabilization, groundwater samples were collected from the bailers, placed into labeled, laboratory-provided sample containers, immediately placed on ice in coolers, and transported under chain-of-custody documentation to ALS Life Sciences Division, Environmental Laboratory in Houston, Texas. All samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) via the United States Environmental Protection Agency (USEPA) SW-846 Method 8260B.

2.3 Quality Assurance/Quality Control

During the groundwater monitoring event, a field duplicate was collected as a Quality Assurance/Quality Control (QA/QC) sample and subsequently submitted for laboratory analysis. A trip blank was also submitted as a QA/QC sample for the groundwater monitoring event.

2.4 Analytical Results

The NMWQCC mandates that groundwater quality in New Mexico be protected, and has issued groundwater quality standards in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC). Groundwater quality standards have been set for the protection of human health, domestic water supply, and irrigation use.

The groundwater analytical results for 2024 are summarized in **Table 2**, and the corresponding laboratory analytical reports are included in Appendix A. A COC concentration map is presented as **Figure 4**. A summary of analytical results for 2024 is provided below.

- BTEX was not detected at concentrations above laboratory detection limits in the groundwater samples collected from monitoring wells MW-1 and MW-2 during 2024.

3. Summary and Recommendations

3.1 Summary

The following summarizes the information and data presented in this report:

- LNAPL was not detected in either monitoring well in 2024.
- Concentrations of BTEX were not detected above laboratory detection limits in either monitoring well during 2024.

3.2 Recommendations

Based on results from the 2024 groundwater monitoring event, GHD recommends the following:

- Continue annual groundwater monitoring until Site is more accessible for additional assessment and remediation efforts.

4. Scope and Limitations

This report has been prepared by GHD for Centurion Pipeline, LP and may only be used and relied on by Centurion Pipeline, LP for the purpose agreed between GHD and Centurion Pipeline, LP.

GHD otherwise disclaims responsibility to any person other than Centurion Pipeline, LP arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

Table 1

Summary of Groundwater Measurement Data
Artesia Tank Farm
Eddy County, New Mexico
Centurion Pipeline, LP
NMOCD 2RP 6-0

Well ID	Measurement Date	Depth to Bottom of Screen Interval (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet AMSL)
MW-1	11/30/2016	60.00	28.99	NS
	7/12/2017	62.88	30.84	NS
	7/10/2018	--	--	NS
	9/27/2019	--	36.52	NS
	8/13/2020	62.60	33.67	NS
	9/24/2021	62.60	32.95	NS
	8/10/2022	62.60	35.88	NS
	9/28/2023	62.82	36.61	NS
	9/25/2024	63.38	39.94	NS
MW-2	11/30/2016	60.00	28.99	NS
	7/12/2017	62.38	30.84	NS
	7/10/2018	--	--	NS
	9/27/2019	--	36.52	NS
	8/13/2020	62.30	33.67	NS
	9/24/2021	62.30	32.95	NS
	8/10/2022	62.30	35.88	NS
	9/28/2023	62.38	35.84	NS
	9/25/2024	62.56	37.91	NS

Notes:

1. feet AMSL = feet above mean sea level.
2. NS = Not surveyed.

Table 2

Page 1 of 1

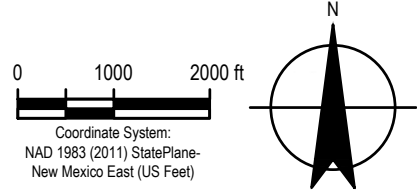
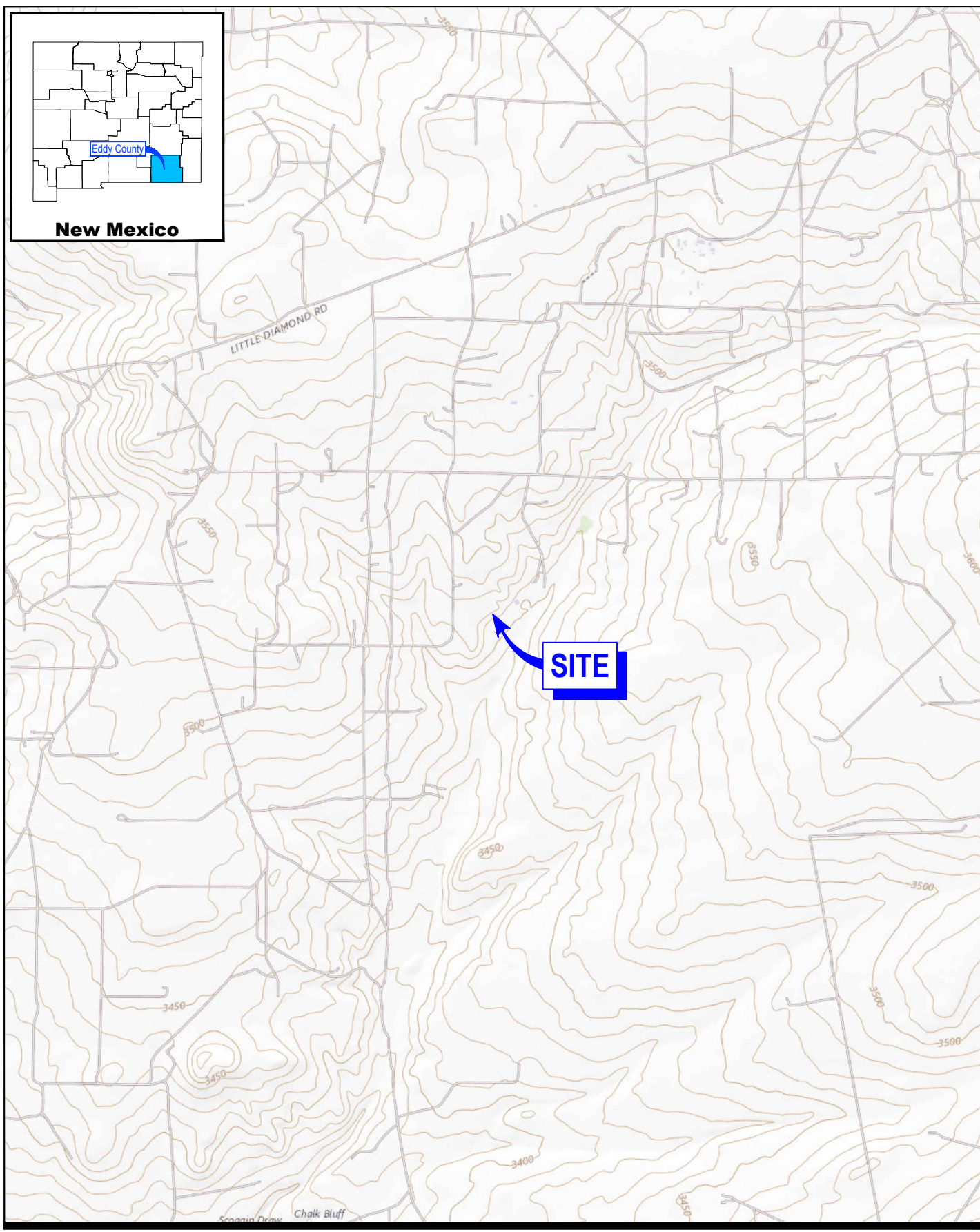
Summary of Groundwater Analytical Results
Artesia Tank Farm
Eddy County, New Mexico
Centurion Pipeline, LP
NMOCD 2RP 6-0

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Standards:		0.01	0.75	0.75	0.62
MW-1	11/30/2016	0.0006	<0.00050	<0.00050	<0.00050
	7/12/2017	<0.00060	<0.00050	<0.00050	<0.00050
	7/10/2018	<0.000408	<0.000367	<0.000657	<0.00063
	9/27/2019	<0.000408	<0.000367	<0.000657	<0.00063
	8/13/2020	0.00047 J	0.00171 J	<0.000657	<0.00063
	9/24/2021	0.000756 J	0.00145 J	<0.000657	0.000678 J
	8/10/2022	<0.000408	<0.000367	<0.000657	<0.000642
	9/28/2023	<0.0010	<0.0010	<0.0010	<0.0030
	9/25/2024	<0.0010	<0.0010	<0.0010	<0.0030
MW-2	11/30/2016	0.0023 J	<0.00050	<0.00050	0.0035 J
	7/12/2017	<0.00060	<0.00050	<0.00050	<0.00050
	7/10/2018	<0.000408	<0.000367	<0.000657	<0.000630
	9/27/2019	<0.000408	<0.000367	<0.000657	<0.000630
	8/13/2020	0.00141 J	0.00175 J	<0.000657	0.00073 J
	9/24/2021	<0.00408	<0.00367	<0.000657	<0.000642
	8/10/2022	0.000685 J	0.000645 J	<0.000657	<0.000642
	9/28/2023	<0.0010	<0.0010	<0.0010	<0.0030
	9/25/2024	<0.0010	<0.0010	<0.0010	<0.0030

Notes:

1. Analytical results are presented in milligrams per liter (mg/L).
2. NMWQCC = New Mexico Water Quality Control Commission.
3. Shaded/bolded results exceed their respective NMWQCC groundwater quality standard.

GHD 12621861 (2)

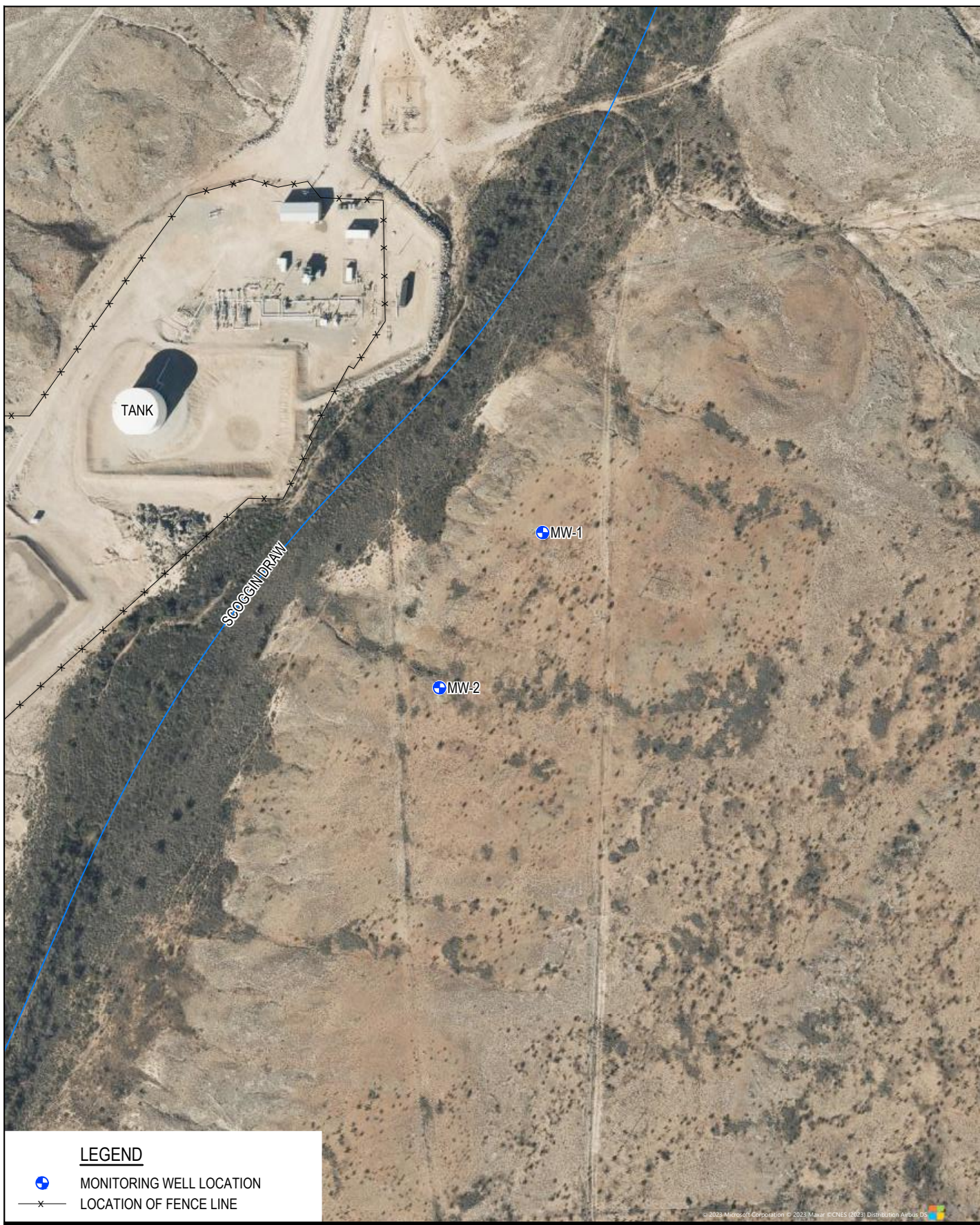


CENTURION PIPELINE, LP
EDDY COUNTY, NEW MEXICO
ARTESIA TANK FARM
NMOCD 2RP-6

Project No. 12621861
Date October 2024

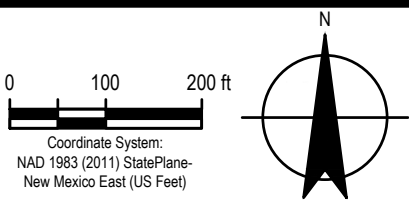
SITE LOCATION MAP

FIGURE 1



LEGEND

- MONITORING WELL LOCATION
- LOCATION OF FENCE LINE



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

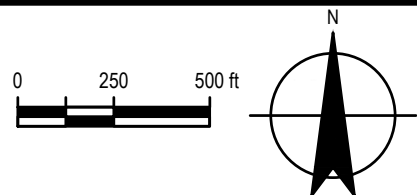
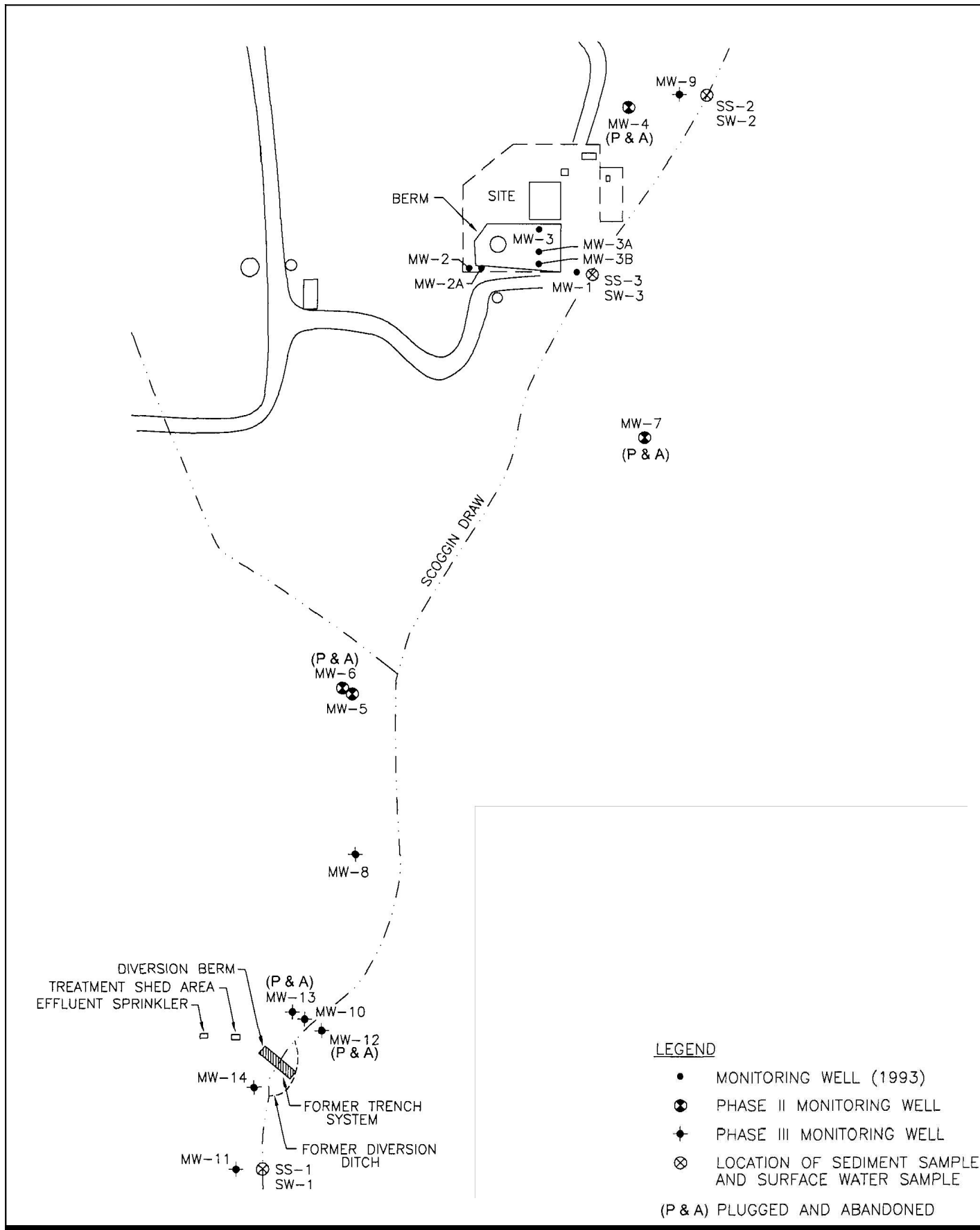


CENTURION PIPELINE, LP
EDDY COUNTY, NEW MEXICO
ARTESIA TANK FARM
NMOCD 2RP-6

Project No. 12621861
Date October 2024

SITE DETAILS MAP

FIGURE 2

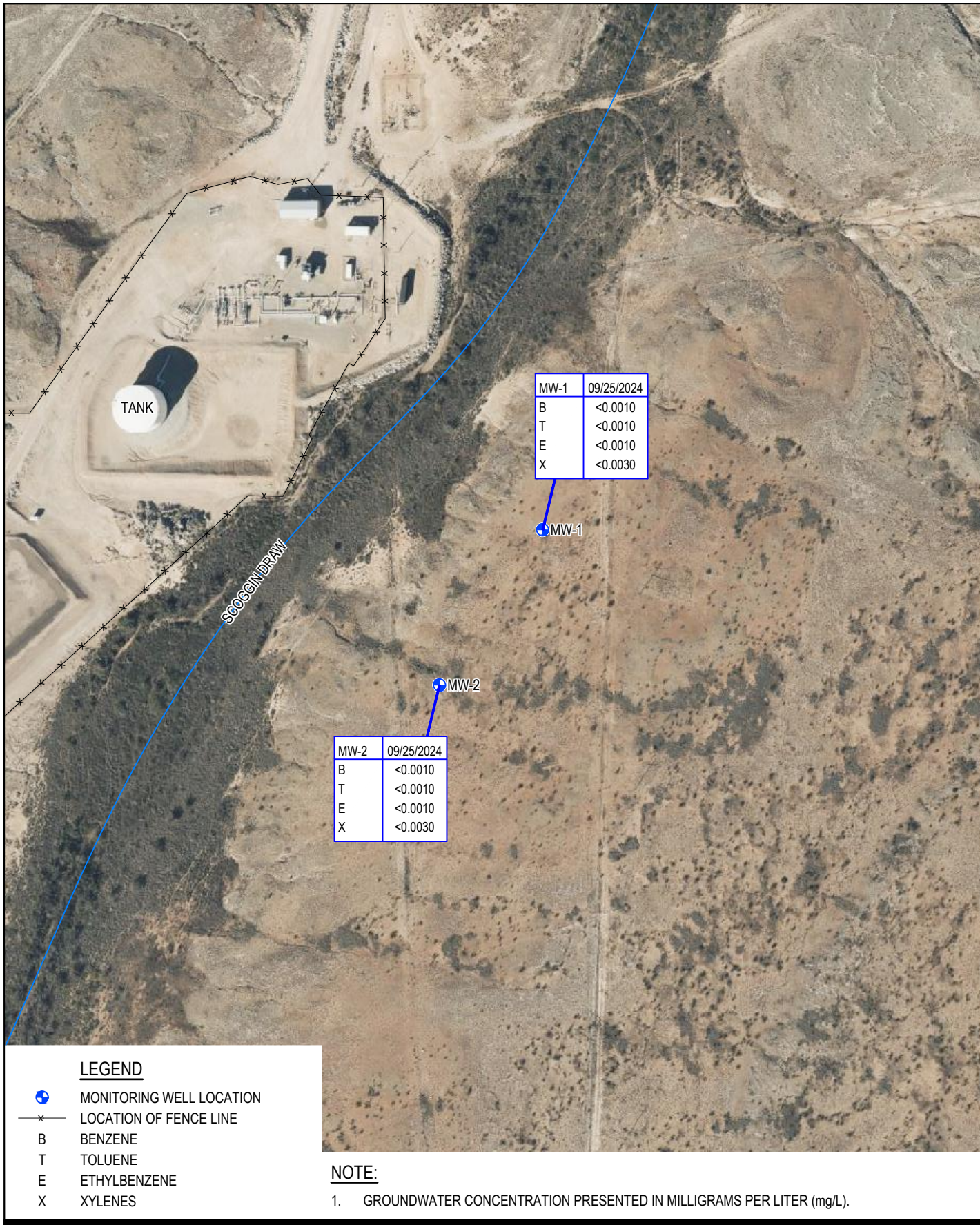


ET GATHERING & PROCESSING, LLC
EDDY COUNTY, NEW MEXICO
ARTESIA TANK FARM
NMOCD 2RP-6-0

Project No. 12621861
Date October 2024

HISTORIC SITE DETAILS MAP

FIGURE 3



Appendices

Appendix A

2024 Laboratory Analytical Report



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

October 02, 2024

Deedee Whittington
GHDHouston
11451 Katy Freeway
Suite 400
Houston, TX 77079

Work Order: **HS24091421**

Laboratory Results for: **12621861 - ET Artesia Tank Farm**

Dear Deedee Whittington ,

ALS Environmental received 4 sample(s) on Sep 26, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Alexis Dorenbosch

ALS Houston, US

Date: 02-Oct-24

Client: GHDHouston

Project: 12621861 - ET Artesia Tank Farm

Work Order: HS24091421

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24091421-01	MW-1-20240925	Groundwater		25-Sep-2024 10:20	26-Sep-2024 09:20	<input type="checkbox"/>
HS24091421-02	MW-2-20240925	Groundwater		25-Sep-2024 11:00	26-Sep-2024 09:20	<input type="checkbox"/>
HS24091421-03	DUP-01	Groundwater		25-Sep-2024 00:00	26-Sep-2024 09:20	<input type="checkbox"/>
HS24091421-04	TRIP BLANK	Water		25-Sep-2024 00:00	26-Sep-2024 09:20	<input type="checkbox"/>

ALS Houston, US

Date: 02-Oct-24

Client: GHDHouston
Project: 12621861 - ET Artesia Tank Farm
Work Order: HS24091421

CASE NARRATIVE

GCMS Volatiles by Method SW8260

Batch ID: R478736

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R478517

Sample ID: VLCSW-240927

- Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.
-

ALS Houston, US

Date: 02-Oct-24

Client:GHDHouston

Project:12621861 - ET Artesia Tank Farm

Sample ID:MW-1-20240925

Collection Date:25-Sep-2024 10:20

ANALYTICAL REPORT

WorkOrder:HS24091421

Lab ID:HS24091421-01

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	28-Sep-2024 01:15
Ethylbenzene	< 0.0010		0.0010	mg/L	1	28-Sep-2024 01:15
Toluene	< 0.0010		0.0010	mg/L	1	28-Sep-2024 01:15
Xylenes, Total	< 0.0030		0.0030	mg/L	1	28-Sep-2024 01:15
Surr: 1,2-Dichloroethane-d4	103		70-126	%REC	1	28-Sep-2024 01:15
Surr: 4-Bromofluorobenzene	101		77-113	%REC	1	28-Sep-2024 01:15
Surr: Dibromofluoromethane	107		77-123	%REC	1	28-Sep-2024 01:15
Surr: Toluene-d8	97.5		82-127	%REC	1	28-Sep-2024 01:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 02-Oct-24

Client:GHDHouston

Project:12621861 - ET Artesia Tank Farm

Sample ID:MW-2-20240925

Collection Date:25-Sep-2024 11:00

ANALYTICAL REPORT

WorkOrder:HS24091421

Lab ID:HS24091421-02

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	02-Oct-2024 07:41
Ethylbenzene	< 0.0010		0.0010	mg/L	1	02-Oct-2024 07:41
Toluene	< 0.0010		0.0010	mg/L	1	02-Oct-2024 07:41
Xylenes, Total	< 0.0030		0.0030	mg/L	1	02-Oct-2024 07:41
Surr: 1,2-Dichloroethane-d4	105		70-126	%REC	1	02-Oct-2024 07:41
Surr: 4-Bromofluorobenzene	89.3		77-113	%REC	1	02-Oct-2024 07:41
Surr: Dibromofluoromethane	104		77-123	%REC	1	02-Oct-2024 07:41
Surr: Toluene-d8	101		82-127	%REC	1	02-Oct-2024 07:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 02-Oct-24

Client:GHDHouston

Project:12621861 - ET Artesia Tank Farm

Sample ID:DUP-01

Collection Date:25-Sep-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24091421

Lab ID:HS24091421-03

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	27-Sep-2024 23:46
Ethylbenzene	< 0.0010		0.0010	mg/L	1	27-Sep-2024 23:46
Toluene	< 0.0010		0.0010	mg/L	1	27-Sep-2024 23:46
Xylenes, Total	< 0.0030		0.0030	mg/L	1	27-Sep-2024 23:46
Surr: 1,2-Dichloroethane-d4	103		70-126	%REC	1	27-Sep-2024 23:46
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	27-Sep-2024 23:46
Surr: Dibromofluoromethane	106		77-123	%REC	1	27-Sep-2024 23:46
Surr: Toluene-d8	98.5		82-127	%REC	1	27-Sep-2024 23:46

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 02-Oct-24

Client:GHDHouston

Project:12621861 - ET Artesia Tank Farm

Sample ID:TRIP BLANK

Collection Date:25-Sep-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24091421

Lab ID:HS24091421-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	28-Sep-2024 00:08
Ethylbenzene	< 0.0010		0.0010	mg/L	1	28-Sep-2024 00:08
Toluene	< 0.0010		0.0010	mg/L	1	28-Sep-2024 00:08
Xylenes, Total	< 0.0030		0.0030	mg/L	1	28-Sep-2024 00:08
Surr: 1,2-Dichloroethane-d4	101		70-126	%REC	1	28-Sep-2024 00:08
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	28-Sep-2024 00:08
Surr: Dibromofluoromethane	104		77-123	%REC	1	28-Sep-2024 00:08
Surr: Toluene-d8	97.1		82-127	%REC	1	28-Sep-2024 00:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 02-Oct-24

Client: GHDHouston
Project: 12621861 - ET Artesia Tank Farm
WorkOrder: HS24091421

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R478517 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS24091421-04	TRIP BLANK	25 Sep 2024 00:00			28 Sep 2024 00:08	1
Batch ID: R478517 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24091421-01	MW-1-20240925	25 Sep 2024 10:20			28 Sep 2024 01:15	1
HS24091421-03	DUP-01	25 Sep 2024 00:00			27 Sep 2024 23:46	1
Batch ID: R478736 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24091421-02	MW-2-20240925	25 Sep 2024 11:00			02 Oct 2024 07:41	1

ALS Houston, US

Date: 02-Oct-24

Client: GHDHouston
Project: 12621861 - ET Artesia Tank Farm
WorkOrder: HS24091421

QC BATCH REPORT

Batch ID: R478517 (0)		Instrument: VOA6		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-240927	Units: ug/L		Analysis Date: 27-Sep-2024 22:39					
Client ID:	Run ID: VOA6_478517	SeqNo: 8280576		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 1.0	1.0							
Ethylbenzene	< 1.0	1.0							
Toluene	< 1.0	1.0							
Xylenes, Total	< 3.0	3.0							
Surr: 1,2-Dichloroethane-d4	50.49	1.0	50	0	101	70 - 123			
Surr: 4-Bromofluorobenzene	52.76	1.0	50	0	106	77 - 113			
Surr: Dibromofluoromethane	51.85	1.0	50	0	104	73 - 126			
Surr: Toluene-d8	49.26	1.0	50	0	98.5	81 - 120			

LCS	Sample ID: VLCSW-240927	Units: ug/L		Analysis Date: 27-Sep-2024 21:32					
Client ID:	Run ID: VOA6_478517	SeqNo: 8280574		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	20.93	1.0	20	0	105	74 - 120			
Ethylbenzene	21.32	1.0	20	0	107	77 - 117			
Toluene	21.9	1.0	20	0	109	77 - 118			
Xylenes, Total	65.3	3.0	60	0	109	75 - 122			
Surr: 1,2-Dichloroethane-d4	48.84	1.0	50	0	97.7	70 - 123			
Surr: 4-Bromofluorobenzene	49.29	1.0	50	0	98.6	77 - 113			
Surr: Dibromofluoromethane	50.16	1.0	50	0	100	73 - 126			
Surr: Toluene-d8	49.86	1.0	50	0	99.7	81 - 120			

LCSD	Sample ID: VLCSW-240927	Units: ug/L		Analysis Date: 27-Sep-2024 21:54					
Client ID:	Run ID: VOA6_478517	SeqNo: 8280575		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	20.64	1.0	20	0	103	74 - 120	20.93	1.39	20
Ethylbenzene	20.58	1.0	20	0	103	77 - 117	21.32	3.55	20
Toluene	20.87	1.0	20	0	104	77 - 118	21.9	4.78	20
Xylenes, Total	61.23	3.0	60	0	102	75 - 122	65.3	6.43	20
Surr: 1,2-Dichloroethane-d4	46.92	1.0	50	0	93.8	70 - 123	48.84	4.01	20
Surr: 4-Bromofluorobenzene	50.46	1.0	50	0	101	77 - 113	49.29	2.35	20
Surr: Dibromofluoromethane	48.99	1.0	50	0	98.0	73 - 126	50.16	2.36	20
Surr: Toluene-d8	48.51	1.0	50	0	97.0	81 - 120	49.86	2.73	20

ALS Houston, US

Date: 02-Oct-24

Client: GHDHouston
Project: 12621861 - ET Artesia Tank Farm
WorkOrder: HS24091421

QC BATCH REPORT

Batch ID: R478517 (0) Instrument: VOA6 Method: LOW LEVEL VOLATILES BY SW8260C

The following samples were analyzed in this batch:

HS24091421-01	HS24091421-03	HS24091421-04
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ALS Houston, US

Date: 02-Oct-24

Client: GHDHouston
Project: 12621861 - ET Artesia Tank Farm
WorkOrder: HS24091421

QC BATCH REPORT

Batch ID: R478736 (0)		Instrument: VOA9		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-241001	Units: ug/L		Analysis Date: 02-Oct-2024 03:14					
Client ID:	Run ID: VOA9_478736	SeqNo: 8285475		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 1.0	1.0							
Ethylbenzene	< 1.0	1.0							
Toluene	< 1.0	1.0							
Xylenes, Total	< 3.0	3.0							
Surr: 1,2-Dichloroethane-d4	51.69	1.0	50	0	103	70 - 123			
Surr: 4-Bromofluorobenzene	44.25	1.0	50	0	88.5	77 - 113			
Surr: Dibromofluoromethane	52.21	1.0	50	0	104	73 - 126			
Surr: Toluene-d8	51.17	1.0	50	0	102	81 - 120			

LCS	Sample ID: VLCSW-241001	Units: ug/L		Analysis Date: 02-Oct-2024 02:09					
Client ID:	Run ID: VOA9_478736	SeqNo: 8285473		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.42	1.0	20	0	92.1	74 - 120			
Ethylbenzene	18.99	1.0	20	0	95.0	77 - 117			
Toluene	19.57	1.0	20	0	97.9	77 - 118			
Xylenes, Total	56.06	3.0	60	0	93.4	75 - 122			
Surr: 1,2-Dichloroethane-d4	50.09	1.0	50	0	100	70 - 123			
Surr: 4-Bromofluorobenzene	49.64	1.0	50	0	99.3	77 - 113			
Surr: Dibromofluoromethane	50.97	1.0	50	0	102	73 - 126			
Surr: Toluene-d8	52.68	1.0	50	0	105	81 - 120			

LCSD	Sample ID: VLCSDW-241001	Units: ug/L		Analysis Date: 02-Oct-2024 02:31					
Client ID:	Run ID: VOA9_478736	SeqNo: 8285474		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	17.61	1.0	20	0	88.0	74 - 120	18.42	4.52	20
Ethylbenzene	17.59	1.0	20	0	87.9	77 - 117	18.99	7.7	20
Toluene	17.86	1.0	20	0	89.3	77 - 118	19.57	9.13	20
Xylenes, Total	52.44	3.0	60	0	87.4	75 - 122	56.06	6.68	20
Surr: 1,2-Dichloroethane-d4	49.34	1.0	50	0	98.7	70 - 123	50.09	1.5	20
Surr: 4-Bromofluorobenzene	49.13	1.0	50	0	98.3	77 - 113	49.64	1.02	20
Surr: Dibromofluoromethane	52	1.0	50	0	104	73 - 126	50.97	2	20
Surr: Toluene-d8	52.07	1.0	50	0	104	81 - 120	52.68	1.15	20

ALS Houston, US

Date: 02-Oct-24

Client: GHDHouston
Project: 12621861 - ET Artesia Tank Farm
WorkOrder: HS24091421

QC BATCH REPORT

Batch ID: R478736 (0) Instrument: VOA9 Method: LOW LEVEL VOLATILES BY SW8260C

The following samples were analyzed in this batch: HS24091421-02

ALS Houston, US

Date: 02-Oct-24

Client: GHDHouston
Project: 12621861 - ET Artesia Tank Farm
WorkOrder: HS24091421

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

ALS Houston, US

Date: 02-Oct-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 02-Oct-24

Sample Receipt Checklist

Work Order ID: HS24091421

Date/Time Received: 26-Sep-2024 09:20

Client Name: GHDHouston

Received by: Ragen Giga

Completed By: /S/ Ruben Estrada-Jr	26-Sep-2024 18:40	Reviewed by: /S/ Alexis Dorenbosch	27-Sep-2024 13:40
eSignature	Date/Time	eSignature	Date/Time

Matrices:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	1 Page(s)
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	COC IDs:323393
Samplers name present on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	1.2C IR34		
Cooler(s)/Kit(s):	52649		
Date/Time sample(s) sent to storage:	9/26/24 18:00		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

Cincinnati, OH
+1 513 733 5336Everett, WA
+1 425 356 2600Fort Collins, CO
+1 970 490 1511Holland, MI
+1 616 399 6070

Chain of Custody Form

Page ____ of ____

COC ID: 323393

ALS Project Manager:

11524091421

GHDHouston

12621861 - ET Artesia Tank Farm

1, WV



Customer Information		Project Information		
Purchase Order	E-23140-CS-22600001 Stacy Boul	Project Name	12621861 - ET Artesia Tank Farm	A 8260_LL_W (8260 BTEX)
Work Order		Project Number	12621861	B
Company Name	GHD	Bill To Company	ET Gathering & Processing LLC	C
Send Report To	Deedee Whittington	Invoice Attn	Stacy Boultinghouse	D
Address	11451 Katy Fwy	Address	800 Sonterra Blvd	E
	Suite 400		Ste 400	F
City/State/Zip	Houston, TX 77079	City/State/Zip	San Antonio TX 78258	G
Phone	(713) 734-3090	Phone		H
Fax	(713) 734-3391	Fax		I
e-Mail Address	deedee.whittington@ghd.com	e-Mail Address	Stacy.Boultinghouse@energytransfer.coj	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-2-20240925	9/25	10:20	GW	1.8	3	X										
2	MW-2-20240925	9/25	11:00	GW	1.8	3	X										
3																	
4	DUP-01	9/25		GW	1.8	3	X										
5	Tripp Blank					2											
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign <i>Hunter Johnson</i>		Shipment Method <i>Fedex</i>		Required Turnaround Time: (Check Box) <input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour				Results Due Date:			
Relinquished by:	Date: 9/25	Time: 12:20	Received by:		Notes: 12621861 - ET Artesia Tank Farm						
Relinquished by:	Date:	Time:	Received by (Laboratory): <i>R Ciga 9/26/24 9:20</i>		Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)				
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		52649	1.2C	<input checked="" type="checkbox"/> Level II Std QC	<input type="checkbox"/> TRRP Checklist			
							<input type="checkbox"/> Level III Std QC/Raw Data	<input type="checkbox"/> TRRP Level IV			
							<input type="checkbox"/> Level IV SV648/CLP				
							Other: _____				
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035											

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

Page 16 of 17

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ORIGIN ID: SGRA (505) 546-2198
ELIZABETH FAIR
GHD
6121 INDIAN SCHOOL RD. NE
SUITE 200
ALBUQUERQUE, NM 87110
UNITED STATES US

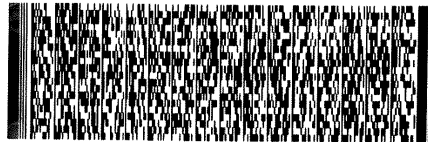
SHIP DATE: 13SEP24
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3808

TO **SAMPLE RECEIVING**
ALS GROUP USA, CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099

(201) 530-5656

REF: GHD - B0103277 - LA

RMA: 111111



FedEx
Express



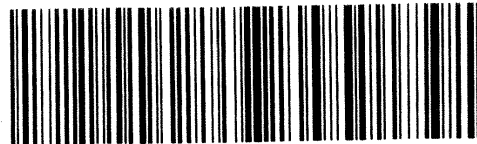
FedEx

TRK# 7386 7926 3735
0221

THU - 26 SEP 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US IAT 9



#4795404 09/25 583J2/4EF9/9AE3



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

General Information
Phone: (505) 629-6116

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

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

CONDITIONS

Action 412011

CONDITIONS

Operator: CENTURION PIPELINE L.P. 516 Veterans Airpark Lane Midland, TX 79705	OGRID: 237722
	Action Number: 412011
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2024 Annual Groundwater Monitoring Report for Artesia Tank Farm: Content Satisfactory 1. Continue to conduct groundwater samples as approved and prescribed by OCD. 2. Under recommendations, assessment and remediation has been recommended. Please propose a work plan with details to OCD within sixty (60) days from receipt of this approval. 3. Continue to monitor the site, and keep OCD apprised of the incident details by submitting the 2024 annual report by December 10, 2025.	12/23/2024