Review of the 2022 Groundwater Annual Report for Artesia Tank Farm:
**Content Satisfactory**
1. Continue to monitor groundwater for MW-2 and MW-1 annually.
2. Submit the 2023 GW Monitoring Report to NMOCD by April 1, 2024.

# 2022 ANNUAL GROUNDWATER MONITORING REPORT

**Artesia Tank Farm**
**Section 10, Township 18 South, Range 27 East**
**Artesia, Eddy County, New Mexico**
**NMOCD Reference # 2RP-6**

**Preparation Date:**
March 29, 2023

Prepared for:

**CENTURION PIPELINE LP**
516 Veterans Airpark Lane Bldg. B
Midland TX 79705

Prepared By:
**APEX Companies, LLC.**
505 N. Big Spring Street, Suite 301A
Midland, TX 79701

Apex Project No. CEN050-0314045-22005645

**2022 ANNUAL GROUNDWATER MONITORING REPORT**

**Artesia Tank Farm**
**Section 10, Township 18 South, Range 27 East**
**Artesia, Eddy County, New Mexico**
**NMOCD Reference # 2RP-6**

Josh Pickett
Scientist 1

Clint Ward
Project Manager

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## TABLES



## APPENDICES

# 1.0 – INTRODUCTION

## 1.1 - Site Background

In March 1993, a release of crude oil was discovered at the Artesia Tank Farm located approximately 12 miles southeast of Artesia, New Mexico, referred to hereinafter as the "Site". In August 1993, an initial assessment, which included the installation of 23 soil borings, concluded that impacts from light non-aqueous phase liquid (LNAPL) extended approximately 1,700 feet along Scoggin Draw. An interceptor trench and an associated groundwater separation/air-stripper remediation system was installed in November 1994 to control and remediate the LNAPL and dissolved-phase hydrocarbon plume associated with the release. A total of fourteen monitoring wells (MW-1 through MW-14) were eventually installed along Scoggin Draw to evaluate/monitor the extent of the groundwater impact. Quarterly reporting was performed throughout the operation of the remediation system, which was shut down in early 1997 and dismantled in the fall of 1998.

After New Mexico Oil Conservation Division (NMOCD) approval, all 14 monitoring wells were plugged and abandoned. Monitoring wells MW-4, MW-6, MW-7, MW-12, and MW-13 were plugged and abandoned on June 19, 2003. On August 18, 2005, monitoring wells MW-5, MW-8 and MW-14 were plugged and abandoned. On November 12 and 13, 2013 monitoring wells MW-1, MW-2, MW-2A, MW-3, MW-3A, MW-3B, MW-9, MW-10 and MW-11 were also plugged and abandoned.

On June 29, 2007, the NMOCD was notified that effective July 1, 2007, the Operator of Record for the Site, and the associated water development easement (WM-72) transferred from BP Pipelines (North America) Inc. to Centurion Pipeline LP (Centurion).

A status report was submitted on April 4, 2012, entitled "Status Update Report". The laboratory analytical results in 2014 indicate that historical chemicals of concern (COC) concentrations in groundwater underlying areas outside the pump station compound were below the applicable New Mexico Water Quality Commission human health standard. The historical data provided in reports prepared by RT Hicks Consulting, Delta Environmental Consultants and the Antea Group shows general trends associated with biodegradation of the residual petroleum hydrocarbons and that the dissolved-phase contaminant plume is non-mobile and decreasing.

Additional remediation at the Site has been deferred until the Site is more accessible for removal of LNAPL. The NMOCD approved the completion of two (2) sentinel wells placed down gradient of potential contamination. The monitoring wells (MW-1 and MW-2) were installed in October 2016 by Apex TITAN, Inc. (Apex). The results of the investigation and sampling activities are included in the "2016 Environmental Site Investigation and Annual Groundwater Report" prepared by Apex and dated December 2016. Annual groundwater samples are collected from the two monitoring wells and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX). The results are submitted in an annual groundwater monitoring report for submittal to the NMOCD.

## 1.2 - Site Description

The Artesia Tank Farm is located 12 miles southeast of Artesia in Section 10, Township 18 South, and Range 27 East in Eddy County, New Mexico. The geodetic coordinates of the Site are latitude

32.761507˚ N, longitude 104.270481˚ W. The Site is surrounded primarily by undeveloped rangeland periodically interrupted by oil and gas production.

A Topographic Map is included in **Figure 1**, a Site Vicinity Map, composed from an aerial photograph, is included in **Figure 2**, and a Site Details Map is included in **Figure 3**.

### 1.3 - Project Objective

The project objective of the groundwater monitoring at the Site is to monitor the groundwater down-gradient of the Artesia Tank Farm. Apex collected groundwater analytical samples from monitoring wells MW-1 and MW-2. The samples were analyzed for Benzene, Toluene, Ethylbenzene and Xylene (BTEX) utilizing Environmental Protection Agency (EPA) Method 8021B.

## 2.0 - SITE CHARACTERIZATION

### 2.1 – Site Geology and Hydrogeology

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.

### 2.2 - Groundwater Flow

Previous reports prepared by Antea Group indicate the groundwater flow direction (gradient) at the Site is generally south south-west. The shallow groundwater near the Site generally flows toward and along the Scoggin Draw, located to the east of the Site. A 2010 groundwater Gradient Map, prepared using information from the Antea Group, is included as **Figure 4.**

## 3.0 - REGULATORY GUIDELINES

### 3.1 – Site Ranking

The Site is under the jurisdiction of the ENMRD OCD. Initial Site activities were performed in accordance with the ENMRD OCD *Guidelines for Remediation of Leaks, Spills and Releases*, in addition to the OCD rules, specifically New Mexico Administrative Code (NMAC) 19.15.29 *Remediation Plan*. This guidance establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action.

Apex utilized the general site characteristics and information available from the New Mexico Office of the State Engineer to determine the appropriate OCD "ranking" for the Site. The ranking criteria and associated scoring are provided in the following table:

## Ranking Criteria

| Ranking Criteria | | | Ranking Score |
|---|---|---|---|
| Depth to Groundwater | <50 feet | 20 | **20** |
| | 50 to 99 feet | 10 | |
| | >100 feet | 0 | |
| Wellhead Protection Area • <1,000 feet from a water source, or <200 feet from private domestic water source. | Yes | 20 | **0** |
| | No | 0 | |
| Distance to Surface Water Body | <200 feet | 20 | **10** |
| | 200 to 1,000 feet | 10 | |
| | >1,000 feet | 0 | |
| **Ranking Criteria** | | | **Ranking Score** |
| **Total Ranking Score** | | | **30** |

Based on Apex's evaluation of the scoring criteria, the Site would have a maximum OCD Total Ranking Score of "30". This ranking is based on the following:

The depth to the initial groundwater-bearing zone is less than 50 feet below grade surface (bgs) as observed in on-site groundwater monitoring wells, resulting in a ranking of "20" for depth to groundwater.

No water sources or wellheads were identified within 1,000 feet of the Site, resulting in a ranking of "0" for proximity to a wellhead protection area.

The Site is located approximately 260 feet to the west of the dry cut bank of Scoggin Draw, resulting in a ranking of "10" for distance to surface water.

The cleanup goals for groundwater at the Site were derived from the Water Quality Control Commission (WQCC) *Groundwater Quality NMAC 20.6.2 Standards* of:

- 0.005 milligrams per liter (mg/L) for benzene,
- 1.0 mg/L for toluene,
- 0.7 mg/L for ethylbenzene, and
- 0.62 mg/L for xylenes.

## 4.0 - GROUNDWATER SAMPLING PROGRAM

### 4.1 - Groundwater Sampling Program

Apex's groundwater sampling program consisted of collecting one (1) groundwater sample from each monitoring well annually. Before sample collection, Apex gauged depth to fluids in each monitoring well utilizing an electronic oil/water interface meter, capable of detecting phase separated hydrocarbons (PSH).

Each monitoring well was purged utilizing low-flow sampling techniques. The groundwater samples were collected from each monitoring well once produced groundwater was consistent in color, clarity, pH, dissolved oxygen (DO), oxidation/reduction potential (ORP), temperature and conductivity.

Groundwater samples were collected and placed in laboratory prepared glassware, placed on ice in a cooler, and secured with a custody seal. The sample coolers and completed chain-of-custody forms were relinquished to Eurofins Xenco Laboratories in Midland, Texas for standard turn-around times.

## 5.0 - LABORATORY ANALYTICAL METHODS

### 5.1 - Laboratory Analytical Methods

Groundwater samples were analyzed for BTEX utilizing EPA Method SW-846 8021B. Laboratory results for groundwater samples are summarized in **Table 1**. Laboratory results, including the executed chain of custody forms are provided in **Appendix A.**

## 6.0 - DATA EVALUATION

Apex compared the reported BTEX concentrations or laboratory method detection limits (MDL) associated with the groundwater samples collected from the Site to the applicable New Mexico Water Quality Control Commission Groundwater Quality Standards (WQCC).

### 6.1 - Annual Groundwater Analytical Monitoring

Groundwater samples were collected from monitoring wells MW-1 and MW-2 on August 10, 2022.

The laboratory analytical results for monitoring well MW-1 for benzene, toluene, ethylbenzene, and total xylene were <0.000408 mg/L, <0.000367 mg/L, <0.000657 mg/L, and <0.000642 mg/L, respectively, which are below the applicable NMAC 19.15.29 Remediation Plan and below the applicable WQCC regulations. The laboratory analytical results for monitoring well MW-2 for benzene, toluene, ethylbenzene, and total xylene were 0.000685 mg/L J, 0.000645 mg/L J, <0.000657 mg/L, and <0.000642 mg/L, respectively, which are below the applicable NMAC 19.15.29 Remediation Plan and below the applicable WQCC regulations.

## 7.0 - FINDINGS AND CONCLUSIONS

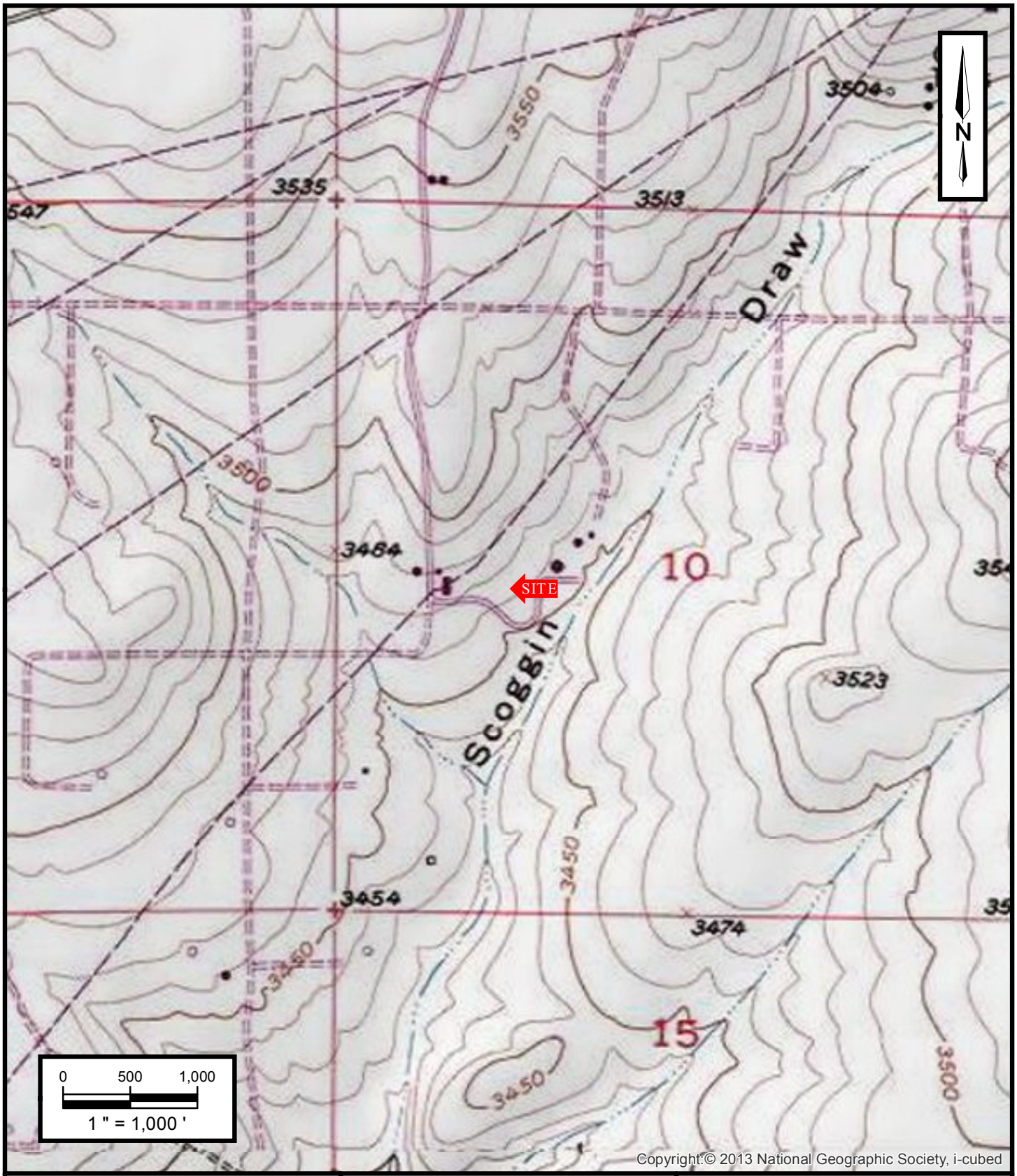
Apex has the following findings and conclusions based on analytical results of the annual groundwater sampling event.

- The August 2022 BTEX concentrations in groundwater were not detected above the applicable WQCC regulatory limits, in samples collected from MW-1 and MW-2.

## 8.0 - RECOMMENDATIONS

Based on the results of the groundwater monitoring activities, Apex has the following recommendations:

- Continue the groundwater monitoring program on an annual basis to evaluate potential impacts from the Artesia Tank Farm; and
- Report the results of the investigation to the NMOCD.




**Centurion Pipeline**
**Artesia Tank Farm**
Artesia, Eddy County, New Mexico
32.761507 N, 104.270481 W

Project No. 725010670005

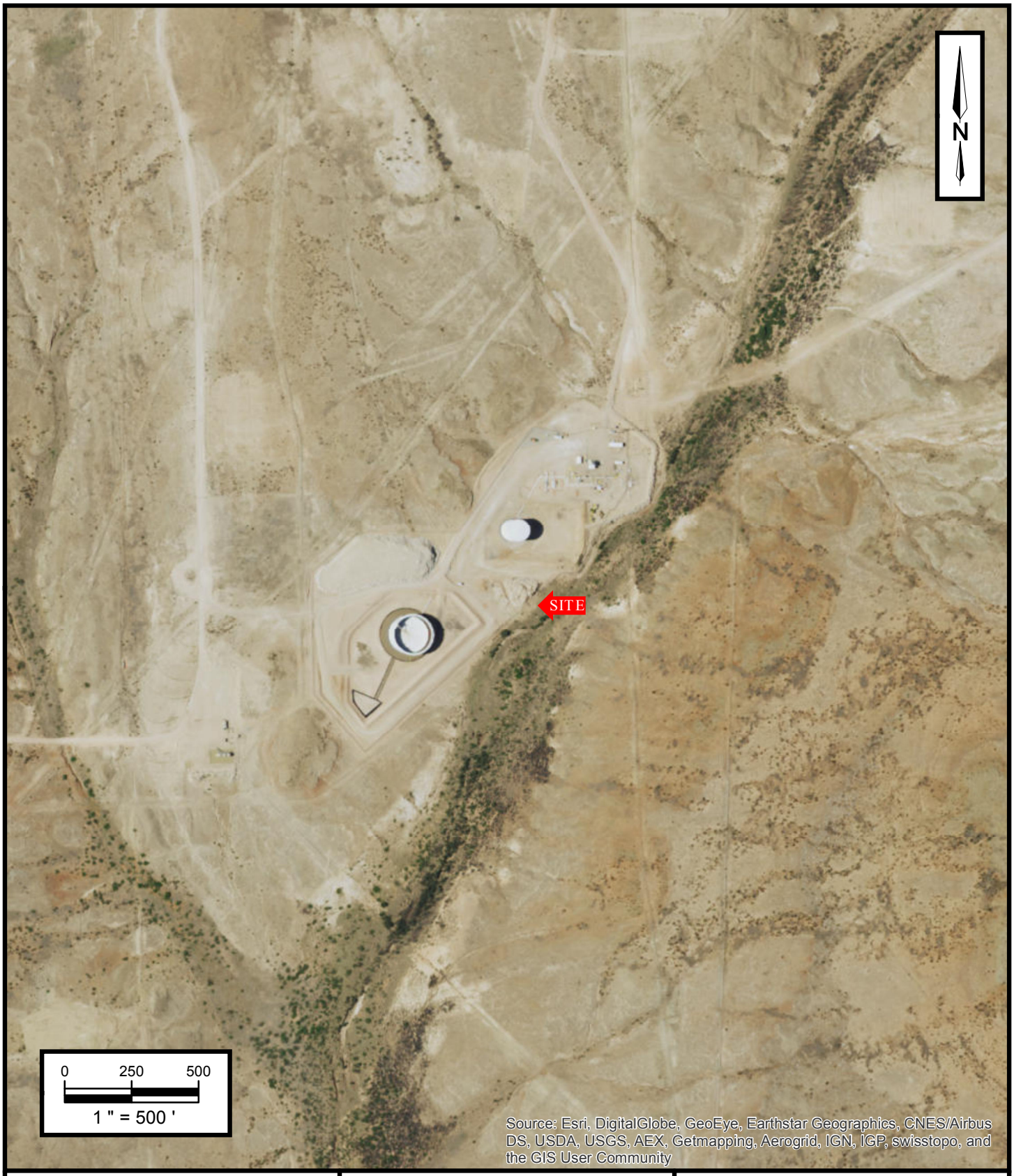
**Apex**
505 N Big Spring St., Suite 301A
Midland, Texas 79701
*Phone: (432) 695-6016*
www.apexcos.com
***A Subsidiary of Apex Companies, LLC***

**FIGURE 1**

**Topographic Map**

Spring Lake, New Mexico Quadrangle
1955

Z:\Houston South\Drafting\Midland 07\2015\7250715068\Figure 1.mxd 11/12/2015 NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Ft US Projected Coordinate System




**Centurion Pipeline**
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**FIGURE 2**

**Site Vicinity Map**

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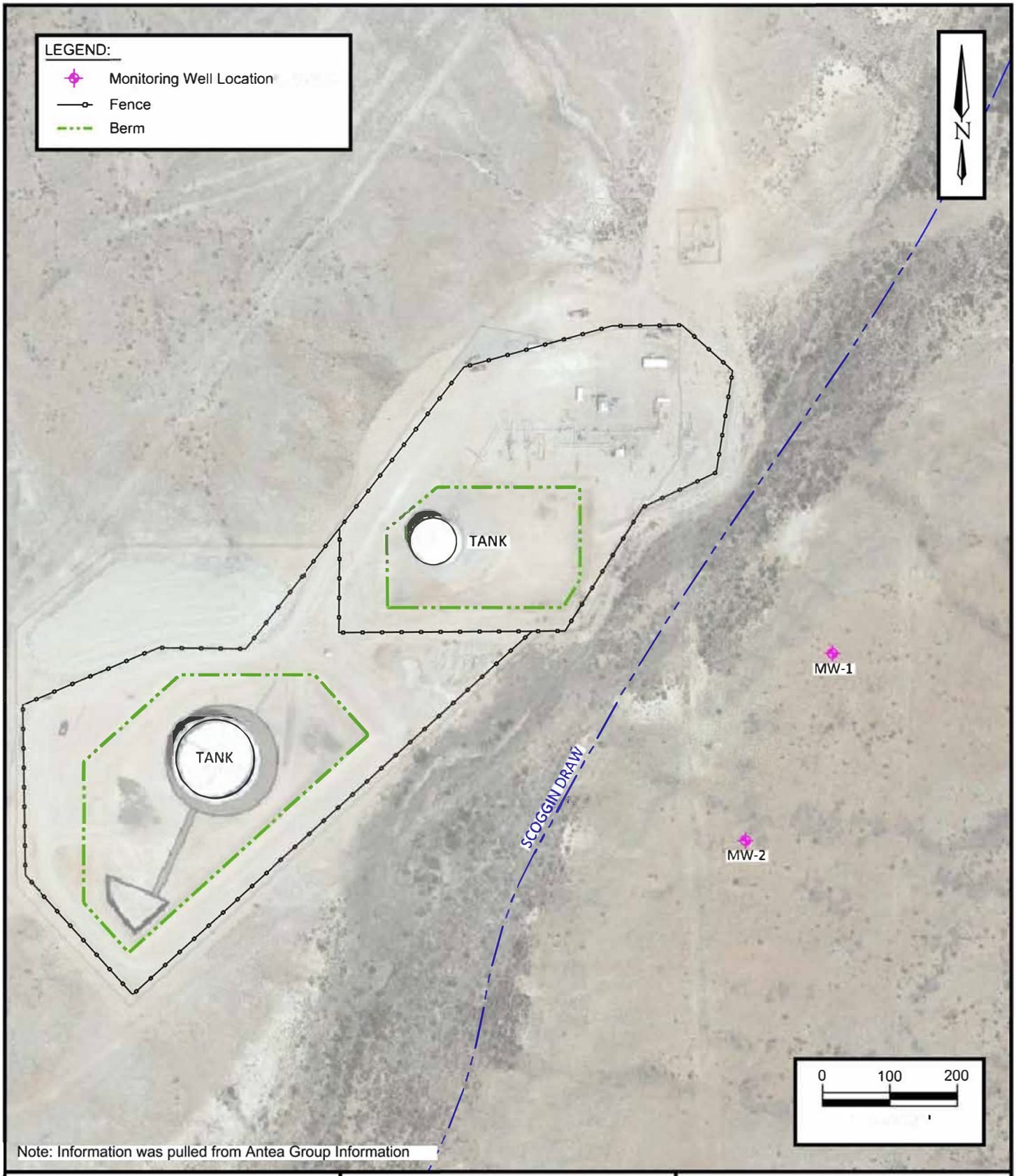


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**FIGURE 3**

**Site Details Map**

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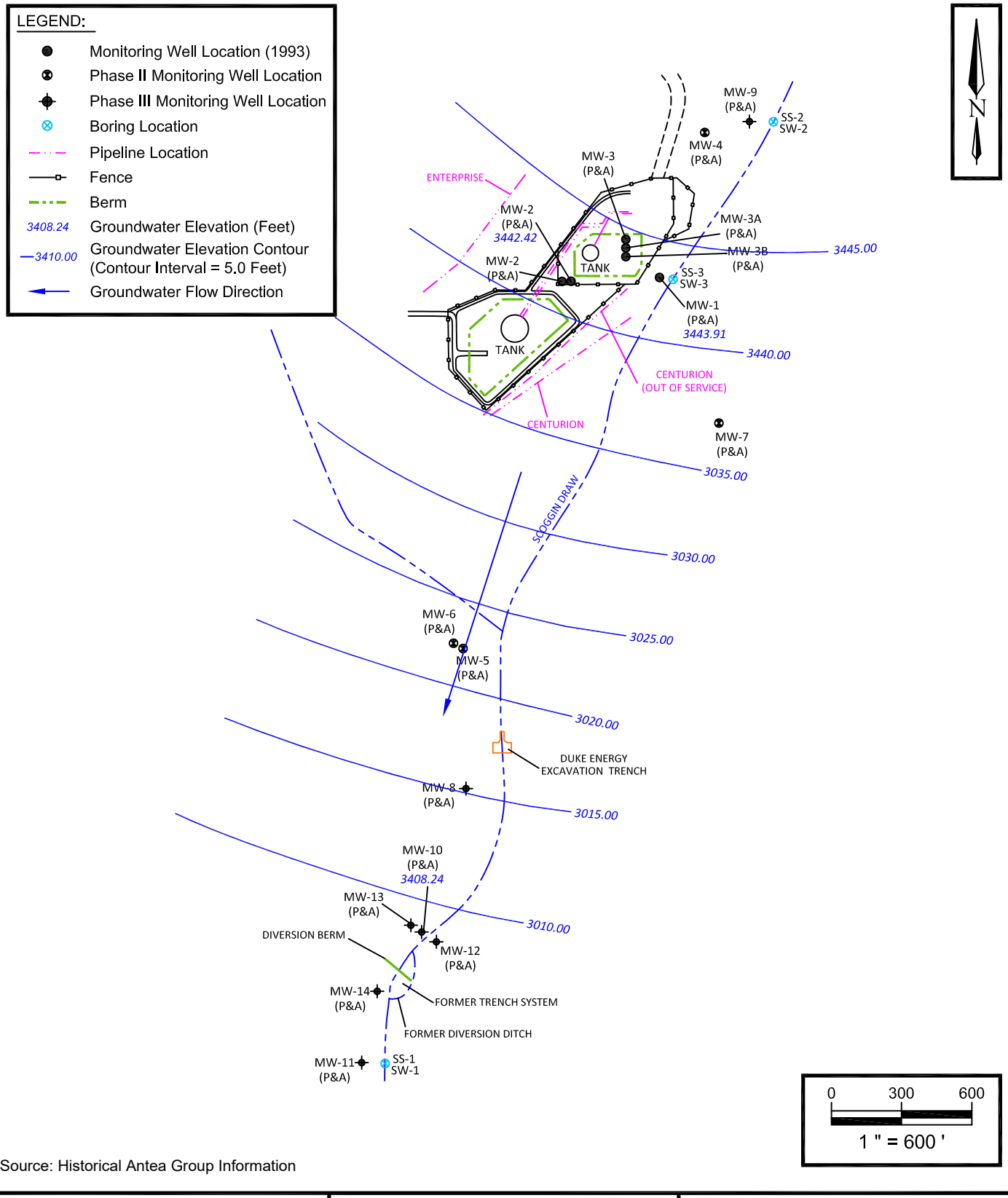


Source: Historical Antea Group Information

**Centurion Pipeline**
**Artesia Tank Farm**
Artesia, Eddy County, New Mexico
32.761507 N, 104.270481 W

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**FIGURE 4**

**Groundwater Gradient Map**
**June 10, 2010**

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APEX

# TABLE 1
## GROUNDWATER ANALYTICAL RESULTS
## Artesia Tank Farm, Eddy County, New Mexico

| Sample I.D. | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Xylenes (mg/L) |
|---|---|---|---|---|---|
| New Mexico Water Quality Control Commission Groundwater Quality Standards | | 0.005 | 1.00 | 0.700 | 0.620 |
| MW-1 | 11/30/16 | 0.00060 | <0.00050 | <0.00050 | <0.00050 |
| MW-1 | 07/12/17 | <0.00060 | <0.00050 | <0.00050 | <0.00050 |
| MW-1 | 07/10/18 | <0.000408 | <0.000367 | <0.000657 | <0.00063 |
| MW-1 | 09/27/19 | <0.000408 | <0.000367 | <0.000657 | <0.00063 |
| MW-1 | 08/13/20 | 0.00047 J | * 0.00171 J | <0.000657 | <0.00063 |
| MW-1 | 09/24/21 | 0.000756 J | 0.00145 J | <0.000657 | 0.000678 J |
| MW-1 | 08/10/22 | <0.000408 | <0.000367 | <0.000657 | <0.000642 |
| MW-2 | 11/30/16 | 0.0023 J | <0.00050 | <0.00050 | 0.0035 J |
| MW-2 | 07/12/17 | <0.00060 | <0.00050 | <0.00050 | <0.00050 |
| MW-2 | 07/10/18 | <0.000408 | <0.000367 | <0.000657 | <0.000630 |
| MW-2 | 09/27/19 | <0.000408 | <0.000367 | <0.000657 | <0.000630 |
| MW-2 | 08/13/20 | 0.00141 J | * 0.00175 J | <0.000657 | 0.00073 J |
| MW-2 | 09/24/21 | <0.00408 | <0.00367 | <0.000657 | <0.000642 |
| MW-2 | 08/10/22 | 0.000685 J | 0.000645 J | <0.000657 | <0.000642 |

J - Analyte detected below quantitation limit

* - detected in trip blank (0.00165 mg/L J)

# TABLE 2
## GROUNDWATER ELEVATIONS
## Artesia Tank Farm, Eddy County, New Mexico

| Monitoring Well ID | Measurement Date | Top-of-Casing Elevation (Feet AMSL) | Total Depth (Feet) | Depth to Water (Feet BTOC) | Groundwater Elevation (Feet AMSL) |
|---|---|---|---|---|---|
| MW-1 | 11/30/16 | NS | 60.00 | 28.99 | ND |
| MW-1 | 07/12/17 | NS | 62.88 | 30.84 | ND |
| MW-1 | 07/10/18 | NS | --- | --- | ND |
| MW-1 | 09/27/19 | NS | --- | 36.52 | ND |
| MW-1 | 08/13/20 | NS | 62.60 | 33.67 | ND |
| MW-1 | 09/24/21 | NS | 62.60 | 32.95 | ND |
| MW-1 | 08/10/22 | NS | 62.60 | 35.88 | ND |
| MW-2 | 11/30/16 | NS | 60.00 | 27.98 | ND |
| MW-2 | 07/12/17 | NS | 62.38 | 29.98 | ND |
| MW-2 | 07/10/18 | NS | --- | --- | ND |
| MW-2 | 09/27/19 | NS | --- | 35.70 | ND |
| MW-2 | 08/13/20 | NS | 62.30 | 33.02 | ND |
| MW-2 | 09/24/21 | NS | 62.30 | 32.16 | ND |
| MW-2 | 08/10/22 | NS | 62.30 | 35.38 | ND |

BTOC - Below the top of casing

AMSL - Above Mean Sea Level

NS - Not surveyed

ND - Not Determined

eurofins | Environment Testing America

# ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-17977-1
Laboratory Sample Delivery Group: 88000368
Client Project/Site: Centurion Artesia Tank Farm

For:
Apex Companies LLC
505 N Big Springs St
Suite 301A
Midland, Texas 79701

Attn: Joshua Pickett

*Authorized for release by:*
*8/17/2022 6:37:52 PM*

Mike Kimmel, Project Manager
(214)902-0300
Mike.Kimmel@et.eurofinsus.com

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Laboratory Job ID: 880-17977-1
SDG: 88000368

# Table of Contents

# Definitions/Glossary

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

## Job ID: 880-17977-1

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative**
**880-17977-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 8/10/2022 4:44 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.8º C.

**GC VOA**
Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-31941/2), (LCS 880-31941/3 and (LCSD 880-31941/4). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-17745-A-9 MS) and (880-17745-A MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-17745-A-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-31941/20). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-2 (880-17977-1), MW-1 (880-17977-2) and FB-01 (880-17977-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-31941/33), (LCS 880-31942/1-A) and (LCSD 880-31942/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-17789-A-8-C MS) and (880-17789-A-8-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not perform

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-17789-A-8-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for analytical batch 880-31941 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

**VOA Prep**
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Client Sample Results

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

## Client Sample ID: MW-2

**Date Collected: 08/10/22 12:15**
**Date Received: 08/10/22 16:44**

**Lab Sample ID: 880-17977-1**
**Matrix: Water**

### Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Benzene** | **0.685** | **J** | 2.00 | 0.408 | ug/L | | | 08/11/22 18:20 | 1 |
| **Toluene** | **0.645** | **J** | 2.00 | 0.367 | ug/L | | | 08/11/22 18:20 | 1 |
| Ethylbenzene | <0.657 | U | 2.00 | 0.657 | ug/L | | | 08/11/22 18:20 | 1 |
| m-Xylene & p-Xylene | <0.629 | U | 4.00 | 0.629 | ug/L | | | 08/11/22 18:20 | 1 |
| o-Xylene | <0.642 | U | 2.00 | 0.642 | ug/L | | | 08/11/22 18:20 | 1 |
| Xylenes, Total | <0.642 | U | 4.00 | 0.642 | ug/L | | | 08/11/22 18:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *147* | *S1+* | *70 - 130* | | *08/11/22 18:20* | *1* |
| *1,4-Difluorobenzene (Surr)* | *76* | | *70 - 130* | | *08/11/22 18:20* | *1* |

### Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00133** | **J** | 0.00400 | 0.000657 | mg/L | | | 08/12/22 11:03 | 1 |

## Client Sample ID: MW-1

**Date Collected: 08/10/22 13:25**
**Date Received: 08/10/22 16:44**

**Lab Sample ID: 880-17977-2**
**Matrix: Water**

### Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.408 | U | 2.00 | 0.408 | ug/L | | | 08/11/22 18:47 | 1 |
| Toluene | <0.367 | U | 2.00 | 0.367 | ug/L | | | 08/11/22 18:47 | 1 |
| Ethylbenzene | <0.657 | U | 2.00 | 0.657 | ug/L | | | 08/11/22 18:47 | 1 |
| m-Xylene & p-Xylene | <0.629 | U | 4.00 | 0.629 | ug/L | | | 08/11/22 18:47 | 1 |
| o-Xylene | <0.642 | U | 2.00 | 0.642 | ug/L | | | 08/11/22 18:47 | 1 |
| Xylenes, Total | <0.642 | U | 4.00 | 0.642 | ug/L | | | 08/11/22 18:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *148* | *S1+* | *70 - 130* | | *08/11/22 18:47* | *1* |
| *1,4-Difluorobenzene (Surr)* | *72* | | *70 - 130* | | *08/11/22 18:47* | *1* |

### Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 08/12/22 11:03 | 1 |

## Client Sample ID: FB-01

**Date Collected: 08/10/22 12:55**
**Date Received: 08/10/22 16:44**

**Lab Sample ID: 880-17977-3**
**Matrix: Water**

### Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.408 | U | 2.00 | 0.408 | ug/L | | | 08/11/22 19:13 | 1 |
| Toluene | <0.367 | U | 2.00 | 0.367 | ug/L | | | 08/11/22 19:13 | 1 |
| Ethylbenzene | <0.657 | U | 2.00 | 0.657 | ug/L | | | 08/11/22 19:13 | 1 |
| m-Xylene & p-Xylene | <0.629 | U | 4.00 | 0.629 | ug/L | | | 08/11/22 19:13 | 1 |
| o-Xylene | <0.642 | U | 2.00 | 0.642 | ug/L | | | 08/11/22 19:13 | 1 |
| Xylenes, Total | <0.642 | U | 4.00 | 0.642 | ug/L | | | 08/11/22 19:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *153* | *S1+* | *70 - 130* | | *08/11/22 19:13* | *1* |
| *1,4-Difluorobenzene (Surr)* | *71* | | *70 - 130* | | *08/11/22 19:13* | *1* |

Eurofins Midland

# Client Sample Results

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

**Client Sample ID: FB-01**
**Date Collected: 08/10/22 12:55**
**Date Received: 08/10/22 16:44**

**Lab Sample ID: 880-17977-3**
**Matrix: Water**

**Method: Total BTEX - Total BTEX Calculation**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 08/12/22 11:03 | 1 |

# Surrogate Summary

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) | | | | | | | | | | |
| 880-17977-1 | MW-2 | 147 S1+ | 76 | | | | | | | | | | |
| 880-17977-2 | MW-1 | 148 S1+ | 72 | | | | | | | | | | |
| 880-17977-3 | FB-01 | 153 S1+ | 71 | | | | | | | | | | |
| LCS 880-31941/3 | Lab Control Sample | 141 S1+ | 82 | | | | | | | | | | |
| LCS 880-31942/1-A | Lab Control Sample | 155 S1+ | 76 | | | | | | | | | | |
| LCSD 880-31941/4 | Lab Control Sample Dup | 141 S1+ | 92 | | | | | | | | | | |
| LCSD 880-31942/2-A | Lab Control Sample Dup | 155 S1+ | 71 | | | | | | | | | | |
| MB 880-31941/8 | Method Blank | 110 | 74 | | | | | | | | | | |
| MB 880-31942/5-A | Method Blank | 115 | 71 | | | | | | | | | | |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

# QC Sample Results

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

## Method: 8021B - Volatile Organic Compounds (GC)

### Lab Sample ID: MB 880-31941/8
**Matrix: Water**
**Analysis Batch: 31941**

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.408 | U | 2.00 | 0.408 | ug/L | | | 08/11/22 12:08 | 1 |
| Toluene | <0.367 | U | 2.00 | 0.367 | ug/L | | | 08/11/22 12:08 | 1 |
| Ethylbenzene | <0.657 | U | 2.00 | 0.657 | ug/L | | | 08/11/22 12:08 | 1 |
| m-Xylene & p-Xylene | <0.629 | U | 4.00 | 0.629 | ug/L | | | 08/11/22 12:08 | 1 |
| o-Xylene | <0.642 | U | 2.00 | 0.642 | ug/L | | | 08/11/22 12:08 | 1 |
| Xylenes, Total | <0.642 | U | 4.00 | 0.642 | ug/L | | | 08/11/22 12:08 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* | | *08/11/22 12:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *74* | | *70 - 130* | | *08/11/22 12:08* | *1* |

### Lab Sample ID: LCS 880-31941/3
**Matrix: Water**
**Analysis Batch: 31941**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 100 | 88.40 | | ug/L | | 88 | 70 - 130 | | |
| Toluene | | | 100 | 98.36 | | ug/L | | 98 | 70 - 130 | | |
| Ethylbenzene | | | 100 | 100.0 | | ug/L | | 100 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 200 | 204.1 | | ug/L | | 102 | 70 - 130 | | |
| o-Xylene | | | 100 | 108.8 | | ug/L | | 109 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *141* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *82* | | *70 - 130* |

### Lab Sample ID: LCSD 880-31941/4
**Matrix: Water**
**Analysis Batch: 31941**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 100 | 100.3 | | ug/L | | 100 | 70 - 130 | 13 | 20 |
| Toluene | | | 100 | 99.23 | | ug/L | | 99 | 70 - 130 | 1 | 20 |
| Ethylbenzene | | | 100 | 100.2 | | ug/L | | 100 | 70 - 130 | 0 | 20 |
| m-Xylene & p-Xylene | | | 200 | 203.9 | | ug/L | | 102 | 70 - 130 | 0 | 20 |
| o-Xylene | | | 100 | 107.5 | | ug/L | | 107 | 70 - 130 | 1 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *141* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* |

### Lab Sample ID: MB 880-31942/5-A
**Matrix: Water**
**Analysis Batch: 31941**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 31942**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.408 | U | 2.00 | 0.408 | ug/L | | 08/11/22 08:19 | 08/12/22 01:56 | 1 |
| Toluene | <0.367 | U | 2.00 | 0.367 | ug/L | | 08/11/22 08:19 | 08/12/22 01:56 | 1 |

# QC Sample Results

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-31942/5-A**
**Matrix: Water**
**Analysis Batch: 31941**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 31942**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.657 | U | 2.00 | 0.657 | ug/L | | 08/11/22 08:19 | 08/12/22 01:56 | 1 |
| m-Xylene & p-Xylene | <0.629 | U | 4.00 | 0.629 | ug/L | | 08/11/22 08:19 | 08/12/22 01:56 | 1 |
| o-Xylene | <0.642 | U | 2.00 | 0.642 | ug/L | | 08/11/22 08:19 | 08/12/22 01:56 | 1 |
| Xylenes, Total | <0.642 | U | 4.00 | 0.642 | ug/L | | 08/11/22 08:19 | 08/12/22 01:56 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *08/11/22 08:19* | *08/12/22 01:56* | *1* |
| *1,4-Difluorobenzene (Surr)* | *71* | | *70 - 130* | *08/11/22 08:19* | *08/12/22 01:56* | *1* |

**Lab Sample ID: LCS 880-31942/1-A**
**Matrix: Water**
**Analysis Batch: 31941**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 31942**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 100 | 98.98 | | ug/L | | 99 | 70 - 130 |
| Toluene | 100 | 101.9 | | ug/L | | 102 | 70 - 130 |
| Ethylbenzene | 100 | 100.0 | | ug/L | | 100 | 70 - 130 |
| m-Xylene & p-Xylene | 200 | 202.7 | | ug/L | | 101 | 70 - 130 |
| o-Xylene | 100 | 114.0 | | ug/L | | 114 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *155* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *76* | | *70 - 130* |

**Lab Sample ID: LCSD 880-31942/2-A**
**Matrix: Water**
**Analysis Batch: 31941**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 31942**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 100 | 88.91 | | ug/L | | 89 | 70 - 130 | 11 | 20 |
| Toluene | 100 | 98.99 | | ug/L | | 99 | 70 - 130 | 3 | 20 |
| Ethylbenzene | 100 | 101.1 | | ug/L | | 101 | 70 - 130 | 1 | 20 |
| m-Xylene & p-Xylene | 200 | 205.3 | | ug/L | | 103 | 70 - 130 | 1 | 20 |
| o-Xylene | 100 | 111.3 | | ug/L | | 111 | 70 - 130 | 2 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *155* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *71* | | *70 - 130* |

# QC Association Summary

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

## GC VOA

### Analysis Batch: 31941

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-17977-1 | MW-2 | Total/NA | Water | 8021B | |
| 880-17977-2 | MW-1 | Total/NA | Water | 8021B | |
| 880-17977-3 | FB-01 | Total/NA | Water | 8021B | |
| MB 880-31941/8 | Method Blank | Total/NA | Water | 8021B | |
| MB 880-31942/5-A | Method Blank | Total/NA | Water | 8021B | 31942 |
| LCS 880-31941/3 | Lab Control Sample | Total/NA | Water | 8021B | |
| LCS 880-31942/1-A | Lab Control Sample | Total/NA | Water | 8021B | 31942 |
| LCSD 880-31941/4 | Lab Control Sample Dup | Total/NA | Water | 8021B | |
| LCSD 880-31942/2-A | Lab Control Sample Dup | Total/NA | Water | 8021B | 31942 |

### Prep Batch: 31942

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-31942/5-A | Method Blank | Total/NA | Water | 5035 | |
| LCS 880-31942/1-A | Lab Control Sample | Total/NA | Water | 5035 | |
| LCSD 880-31942/2-A | Lab Control Sample Dup | Total/NA | Water | 5035 | |

### Analysis Batch: 32093

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-17977-1 | MW-2 | Total/NA | Water | Total BTEX | |
| 880-17977-2 | MW-1 | Total/NA | Water | Total BTEX | |
| 880-17977-3 | FB-01 | Total/NA | Water | Total BTEX | |

# Lab Chronicle

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

## Client Sample ID: MW-2
**Date Collected: 08/10/22 12:15**
**Date Received: 08/10/22 16:44**

## Lab Sample ID: 880-17977-1
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8021B | | 1 | | | 31941 | 08/11/22 18:20 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 32093 | 08/12/22 11:03 | SM | EET MID |

## Client Sample ID: MW-1
**Date Collected: 08/10/22 13:25**
**Date Received: 08/10/22 16:44**

## Lab Sample ID: 880-17977-2
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8021B | | 1 | | | 31941 | 08/11/22 18:47 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 32093 | 08/12/22 11:03 | SM | EET MID |

## Client Sample ID: FB-01
**Date Collected: 08/10/22 12:55**
**Date Received: 08/10/22 16:44**

## Lab Sample ID: 880-17977-3
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8021B | | 1 | | | 31941 | 08/11/22 19:13 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 32093 | 08/12/22 11:03 | SM | EET MID |

**Laboratory References:**
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

## Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400-22-24 | 06-30-23 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| Total BTEX | | Water | Total BTEX |

# Method Summary

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 5030B | Purge and Trap | SW846 | EET MID |

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: Apex Companies LLC
Project/Site: Centurion Artesia Tank Farm

Job ID: 880-17977-1
SDG: 88000368

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 880-17977-1 | MW-2 | Water | 08/10/22 12:15 | 08/10/22 16:44 |
| 880-17977-2 | MW-1 | Water | 08/10/22 13:25 | 08/10/22 16:44 |
| 880-17977-3 | FB-01 | Water | 08/10/22 12:55 | 08/10/22 16:44 |

Eurofins Midland
1211 W Florida Ave
Midland TX 79701
Phone 432-704-5440

# Chain of Custody Record

17977

eurofins Environment Testing America

8/17/2022

| Client Information | Sampler: Josh Pickett | Lab PM: Kimmel Mike | Carrier Tracking No(s): | COC No: 880-3234-329 1 |
|---|---|---|---|---|
| Client Contact: Joshua Pickett | Phone: | E-Mail: Mike Kimmel@et eurofinsus com | State of Origin: | Page: Page 1 of 1 |
| Company: Apex Companies LLC | PWSID: | | | Job #: CEN090-0340475-2200645 |
| Address: 505 N Big Springs St Suite 301A | Due Date Requested: | | | |
| City: Midland | TAT Requested (days): (5 Day) | | | |
| State Zip: TX 79701 | Compliance Project: Δ Yes Δ No | | | |
| Phone: | PO #: Purchase Order not required | | | |
| Email: joshua pickett@apexcos com | WO #: | | | |
| Project Name: Centurion Artesia Tank Farm | Project #: 88000368 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes**

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 8021B - BTEX | Total Number of containers | Special Instructions/Note |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | A | | |
| MW-2 | 8-10-2022 | 12:15 | G | Water | | | X | | |
| MW-1 | ↓ | 13:25 | ↓ | Water | | | X | | |
| FB-01 | ↓ | 12:55 | | | | | X | | |

880-17977 Chain of Custody

**Possible Hazard Identification**
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

| Empty Kit Relinquished by | Date | Time | Method of Shipment: |
|---|---|---|---|

| Relinquished by | Date/Time | Company | Received by | Date/Time | Company |
|---|---|---|---|---|---|
| Joshua Pickett | 8-10-22 / 16:44 | Apex | | 8/10/22 / 1644 | |
| Relinquished by | Date/Time | Company | Received by | Date/Time | Company |
| Relinquished by | Date/Time | Company | Received by | Date/Time | Company |

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 1.6 / 1.8 +.2 JLB

Ver: 06/08/2021

# Login Sample Receipt Checklist

Client: Apex Companies LLC

Job Number: 880-17977-1
SDG Number: 88000368

**Login Number: 17977**
**List Number: 1**
**Creator: Teel, Brianna**

**List Source: Eurofins Midland**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |

# DCS Summary 692031

Analytical Method: **BTEX by EPA 8021B**

Matrix: **Water**

Prep Method: **SW5030B**

Laboratory: **Xenco - Midland**

| Parameter | SDL | MQL | Spike Amount | Actual Amount | Units |
|---|---|---|---|---|---|
| Benzene | 0.000408 | 0.00200 | 0.00100 | 0.00110 | mg/L |
| Toluene | 0.000367 | 0.00200 | 0.00100 | 0.00124 | mg/L |
| Ethylbenzene | 0.000657 | 0.00200 | 0.00100 | 0.00119 | mg/L |
| m,p-Xylenes | 0.000630 | 0.00400 | 0.00200 | 0.00229 | mg/L |
| o-Xylene | 0.000642 | 0.00200 | 0.00100 | 0.00131 | mg/L |

**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 203535

## CONDITIONS

| | |
|---|---|
| Operator:<br>CENTURION PIPELINE L.P.<br>516 Veterans Airpark Lane<br>Midland, TX 79705 | OGRID:<br>237722 |
| | Action Number:<br>203535 |
| | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| michael.buchanan | Review of the 2022 Groundwater Annual Report for Artesia Tank Farm: Content Satisfactory 1. Continue to monitor groundwater for MW-2 and MW-1 annually. 2. Submit the 2023 GW Monitoring Report to NMOCD by April 1, 2024. | 7/19/2023 |