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2024 Annual Groundwater Remediation Report
Jal No. 4 Gas Plant, Lea County, New Mexico
Facility ID No. FCS00000000049
NMOCD Abatement Plan Case #AP – 101
Incident ID #nAPP2110635360

Prepared for:
El Paso Natural Gas Company, LLC
Houston, Texas

Project No. 60724711

March 2025

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Quality information

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1. Introduction

On behalf of El Paso Natural Gas Company, LLC (EPNG), AECOM has prepared this 2024 Annual Groundwater Monitoring Report for the Jal No. 4 Gas Plant (the Plant or the Site). The Plant is comprised of approximately 181 acres of land located on the west side of State Highway 18, approximately 9 miles north of Jal, New Mexico and occupies portions of Sections 31 and 32 of Township 23 South, Range 37 East (T23S, R37E) and Section 5 of T24S, R37E in Lea County, New Mexico (**Figures 1 and 2**). The Plant is currently owned and operated by Western Refining Inc., a subsidiary of Marathon Petroleum Corporation (Marathon).

The Site is regulated by the New Mexico Oil Conservation Division (NMOCD) under Abatement Plan AP-101and Incident ID #nAPP2110635360.This report provides a description of groundwater monitoring activities and analytical results for Calendar Year 2024, as well as other abatement activities conducted during the year.

1.1 Site Background

The Plant was constructed by EPNG in 1952 to treat, compress, store, and transport natural gas to EPNG's main transmission lines. From 1952 to 1981, brine and wastewater were managed in eight unlined retention ponds associated with creation and operation of natural gas cavern storage wells at the Site (Ponds 1 through 8**,** **Figure 2**). Beginning in 1981, brine was instead managed in three ponds with synthetic liners (Ponds 9, 10, and 11) and Ponds 1 through 8 were closed. In 1989, leaks were detected in Ponds 10 and 11 and EPNG elected to close those two ponds and construct one lined pond in the former location of Ponds 10 and 11. In response to the detected leak, the NMOCD requested that EPNG perform a Groundwater Quality Assessment. Three ponds are present on the Site today, two of which are located in the former locations of Pond 9 (South Pond) and Ponds 10/11 (North Pond). In addition, a new lined pond has recently been installed in the western portion of the Western Refining Inc. operations area as shown on **Figure 2**.

A chronology of Site activities is provided as **Appendix A**.

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2. Groundwater Monitoring Program

The quarterly groundwater monitoring and sampling activities are conducted by Hydrologic Monitoring Inc. (HMI) as described below.

2.1 Program Wells and Sampling Schedule

To assess and monitor chloride and hydrocarbon impacts to the uppermost groundwater-bearing unit, EPNG has installed 33 Program monitoring wells on the Plant property and adjoining properties to the north and east. This total includes two sets of nested monitoring wells (ACW-30S/D and ACW-32-S/D – four wells total) that were installed in June and July 2018. A total of 31 monitoring wells (ACW-01, ACW-2, ACW-4 through ACW-7, ACW-9 through ACW-29, ACW-30S/D, and ACW-32-S/D) are currently being sampled annually as Program wells. The monitoring well locations are shown on **Figure 2**.

The NMOCD previously approved a modification to the annual groundwater sampling program for the Plant. This modification allows for only sampling Program wells ACW-13, ACW-14, and ACW-15 during three of the quarterly events and sampling all Program wells during one quarterly event. During previous years, all Program wells were sampled during the fourth quarterly event. Beginning in 2023, the schedule was revised so that all Program wells are sampled during the third quarterly event and only Program wells ACW-13, ACW-14, and ACW-15 are sampled during the remaining three quarterly events. **Table 1** provides a summary of the modified groundwater sampling program.

Groundwater samples were analyzed for the following constituents:

- benzene, toluene, ethylbenzene, and total xylenes (collectively referred to as BTEX) by EPA Method 8260D;
- total dissolved solids (TDS) by Standard Method (SM) 2540C;
- specific conductance by EPA Method 120.1;
- chloride by EPA Method 9056A; and
- sodium by EPA Method 6010D.

2.2 Non-Program Wells and Sampling Schedule

In addition to the Program wells, EPNG also collects groundwater samples from five Non-Program wells during the annual sample event: onsite monitoring well ENSR-1, onsite piezometer PTP-01, one upgradient water supply well (EPNG-1), and two down-gradient water supply wells (Oxy Water Well and Doom Water Well). EPNG-1 is located at the northwest corner of the Plant property. The Oxy water well is located southeast of the Plant, in the approximate center of Section 5 of T24S, R37E and formerly provided water to the Oxy Myers Langlie Mattix Unit Water Injection Station. The Oxy facility is no longer manned, and the water well currently provides water only to the Site's sanitary

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facilities. The Doom Water Well is a private water well that provides water to a residential property owned by the estate of Jimmy J. Doom, and is located approximately 1.35 miles south-southeast of the Plant, near the center of the northwest quarter of Section 8 of T24S, R37E. The Doom and Oxy water wells are sampled quarterly. During the 2024 fourth quarter event the Doom well was not operational and therefore unable to be sampled. The well is expected to be operational for the 2025 first quarter sampling event.

Additionally, recovery wells RW-1, RW-2, RW-3, and RW-4 are located at the Site, along with two monitoring wells that were converted to recovery wells (ACW-03 and ACW-08) during prior groundwater recovery efforts. The recovery wells are gauged quarterly but not sampled.

2.3 Depth to Groundwater Measurements

During each quarterly sampling event, Program and Non-Program wells were gauged to determine the static water level prior to sampling. Depth to water (DTW) was measured with an electronic water level indicator from a surveyed mark located on the top-of-casing (TOC) of each well. **Table 2** provides a summary of the groundwater level surface elevation data based on measured depths to groundwater, surveyed TOC elevations, and calculated groundwater elevations.

It is known that the hydraulic head in the water bearing formation is affected by the density of the water in the water column. Higher TDS water depresses the elevation of the water table surface (Post, 2007) giving the appearance of lower elevation when compared to wells screened in shallower portions of the aquifer. The maximum difference is observed when the well has a discrete screened interval at the base of the aquifer. At this Site, wells with discrete screened intervals at the base of the aquifer within the high TDS areas have observed water table elevations ranging from 0.5 feet to almost 2.0 feet lower than co-located or nearby upper aquifer wells. Based on those criteria, monitoring wells can be designated to be in the upper or lower portion of the aquifer. By contouring the groundwater surface elevation in upper (**Figure 3**) and lower (**Figure 4**) screened wells separately, this discrepancy is largely removed and groundwater flow behavior in each zone can be more accurately evaluated.

As depicted on **Figures 3 and 4**, the groundwater gradient across the Site is to the southeast at approximately 0.002 ft/ft in both the upper and lower portions of the aquifer.

2.4 Sampling Procedures

Groundwater samples were collected in accordance with EPA accepted low-flow purging and sampling methods and quality assurance/quality control guidance. All Program wells were sampled using dedicated bladder pumps. Low-flow purging was conducted at EPA-recommended purge rates of 0.1 – 0.2 liters/minute. Field parameters, including pH, specific conductivity, temperature, dissolved oxygen, oxidation-reduction potential, and water level drawdown, were monitored at 0.5-liter intervals. Turbidity was measured outside of the flow-through cell used for the field parameters. The Oxy and Doom water well samples were obtained from a water spigot

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after purging the system until field parameters had stabilized. A summary of the groundwater field parameter data collected during purging is provided in **Appendix B**.

After groundwater field parameters had stabilized, samples were collected by pumping groundwater directly into pre-preserved laboratory-supplied containers. The samples were then labeled, placed on ice, and shipped with chain of custody documentation to the Eurofins Pensacola laboratory in Pensacola, FL. The groundwater samples were analyzed for the list of parameters described above in *Section 2.1*.

As previously discussed with the NMOCD, the investigation-derived waste (IDW) generated during 2024 sampling events was placed in a labeled, 55-gallon steel drum with a ventilated barrel cover for evaporating liquid IDW, as described in the HMI field notes provided in **Appendix B**.

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3. 2024 Groundwater Monitoring Results

The following sections summarize the field measurement and laboratory analytical results obtained during the 2024 quarterly sampling program. Historical groundwater analytical results are summarized in **Table 3**. Field notes from the quarterly sampling events are provided in **Appendix B** and laboratory analytical reports for 2024 data are included in **Appendix C**.

3.1 Inorganic Constituents

Within New Mexico Administrative Code (NMAC) 20.6.2.3103 (B), the State has established Other Standards for Domestic Water Supply that include a standard of 250 milligrams per liter (mg/L) for chloride and 1,000 mg/L for TDS in groundwater as applicable to the affected groundwater-bearing unit present beneath the Site. **Figure 5** and **Figure 6** provide isopleth maps for September 2024 chloride concentrations in upper and lower groundwater, respectively.

Chloride concentrations for upper groundwater ranged from 29 mg/L in ACW-28 to 8,600 mg/L in ACW-01 during the September 2024 sampling event, as shown on **Figure 5**. Chloride concentrations for lower groundwater ranged from 48 mg/L in ACW-29 to 94,000 mg/L in ACW-20 during the September 2024 sampling event. As shown on **Figure 6**, the highest chloride concentrations continue to be observed in the lower groundwater samples collected from the northeastern portion of the Plant property, in the area of the former brine ponds. Inorganics are migrating both downgradient to the southeast and vertically toward the base of the aquifer.

3.2 Organic Constituents

The applicable NMAC Human Health Standard for benzene is 0.01 mg/L in groundwater containing a TDS level of 10,000 mg/L or less (20 NMAC 6.2, Water Quality – Ground and Surface Water Protection, filed 10-27-95, effective 12-1-95). **Figure 7 and Figure 8** show the September 2024 benzene concentrations for the upper and lower groundwater, respectively.

Benzene concentrations exceeding the NMAC standard of 0.01 mg/L were reported for the upper groundwater samples collected from source area wells ACW-01 (0.026 mg/L), ACW-07 (0.029 mg/L), ACW-19 (0.020 mg/L) and ACW-21 (0.016 mg/L), and from upgradient well ENSR-1 (0.011 mg/L). With the exception of ACW-07, these are the same upper groundwater wells that exhibited benzene exceedances for the 2021 through 2023 annual groundwater sampling events. The benzene concentrations in three of the five wells (ACW-01, ACW-19, and ACW-21) were lower than the concentrations reported in 2023.

Benzene concentrations exceeding the NMAC standard of 0.01 mg/L were reported for lower groundwater wells ACW-04 (0.018 mg/L), ACW-10 (0.019 mg/L), ACW-11 (0.013 mg/L), ACW-20 (0.041 mg/L, duplicate 0.056 mg/L), and ACW-25 (0.025 mg/L). These are the same lower groundwater wells that exhibited benzene exceedances for the 2021

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through 2023annual groundwater sampling events, except for ACW-10 which was below the NMAC standard in December 2021.

The 2024 results for both upper and lower groundwater are consistent with recent benzene sampling data. Historical groundwater analytical data indicate that natural attenuation mechanisms have effectively mitigated further downgradient migration of benzene impacts in groundwater.

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4. Conclusions

The data presented herein support the following conclusions:

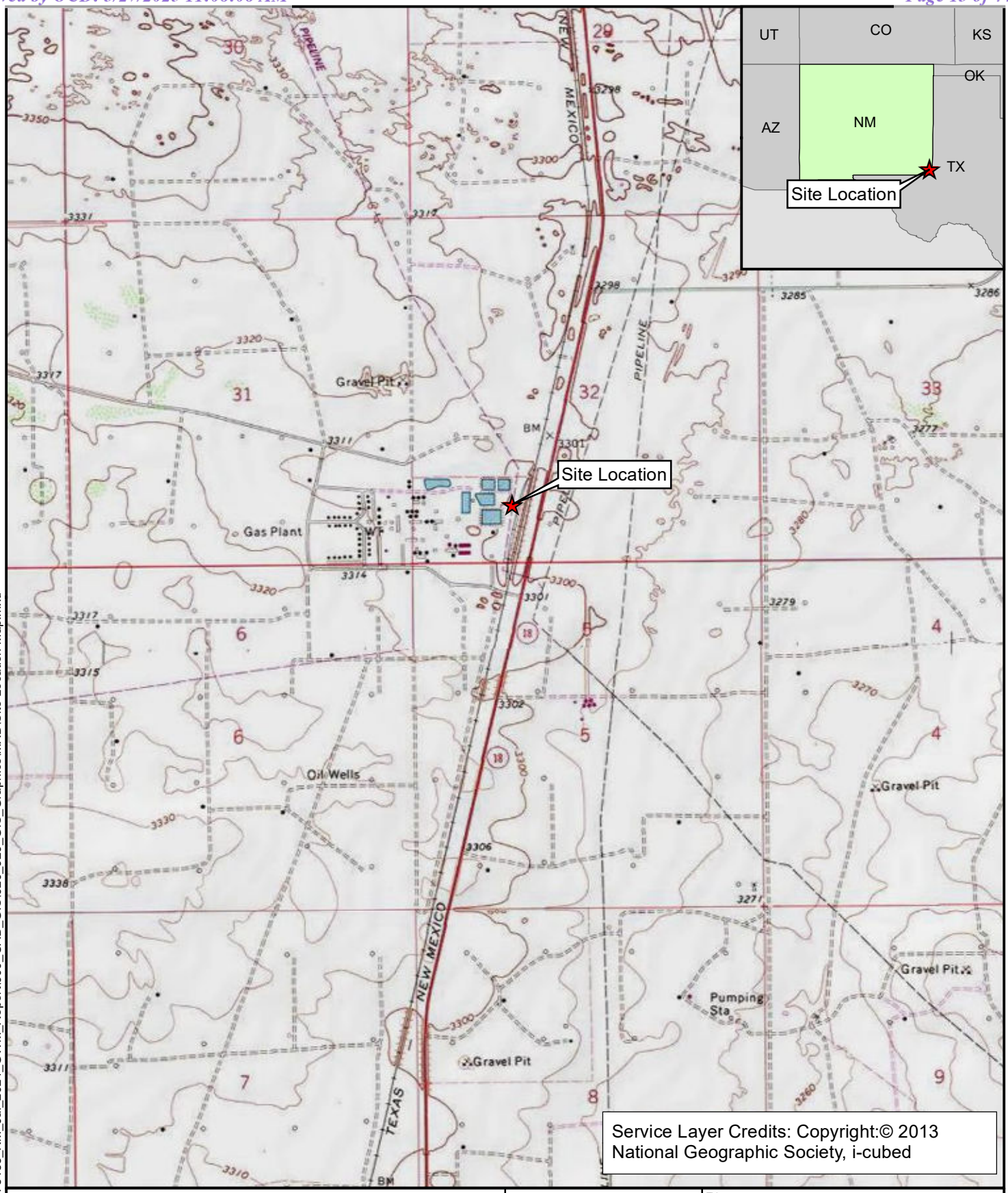
- Groundwater flow direction at the Site is generally to the southeast at a hydraulic gradient of approximately 0.002 ft/ft in both the upper and lower groundwater zones.
- Historical groundwater analytical data indicate that chlorides in groundwater are generally migrating both downgradient to the southeast and vertically toward the base of the aquifer. During the 3rd Quarter sampling event in September 2024, groundwater samples collected from 12 of 14 upper groundwater wells and from 18 of 20 lower groundwater wells exhibited chloride concentrations in excess of the EPA's Secondary Drinking Water Standard and the New Mexico Domestic Water Supply Standard of 250 mg/L.
- Benzene concentrations detected in the groundwater samples from eight on-site wells exceed the NMAC benzene standard of 0.01 mg/L. With the exception of monitoring wells ACW-07, ACW-10 and ACW-25, the reported benzene concentrations in all off-site downgradient wells are either below the NMAC benzene standard of 0.01 mg/L or below laboratory method reporting limits. Groundwater analytical data suggest that natural attenuation mechanisms have effectively mitigated further downgradient migration of the benzene impacts in groundwater.

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Figures

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★ Site_Location

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HOUSTON, TX 77094
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FAX: (281) 646-2401

Scale:	Drawn by:	Date:
As Shown	KPL	2/23/2022
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El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: **Kinder Morgan**

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- WATER SUPPLY WELL
- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- Approximate Property Boundary
- FORMER POND LOCATION WITH POND NUMBER

NOTES:
1) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

2) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY, WELLS INSERTED FROM VARIOUS OTHER SOURCES, AND DRAWING FILES PROVIDED BY SAIC ENERGY, ENVIRONMENT & INFRASTRUCTURE, LLC OF TULSA, OKLAHOMA.

3) RECOVERY SYSTEM WAS NOT OPERATED IN 2018.

4) AERIAL PHOTO SOURCED FROM MAXOR, DATED 4/08/2021.

5) SOURCE OF LAND OWNERSHIP IS THE LEA COUNTY APPRAISAL DISTRICT.

6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOCD OIL & GAS MAP.

7) MONITORING WELLS ACW-26, ACW-27, ACW-28, AND ACW-29 WERE INSTALLED IN DECEMBER 2019.

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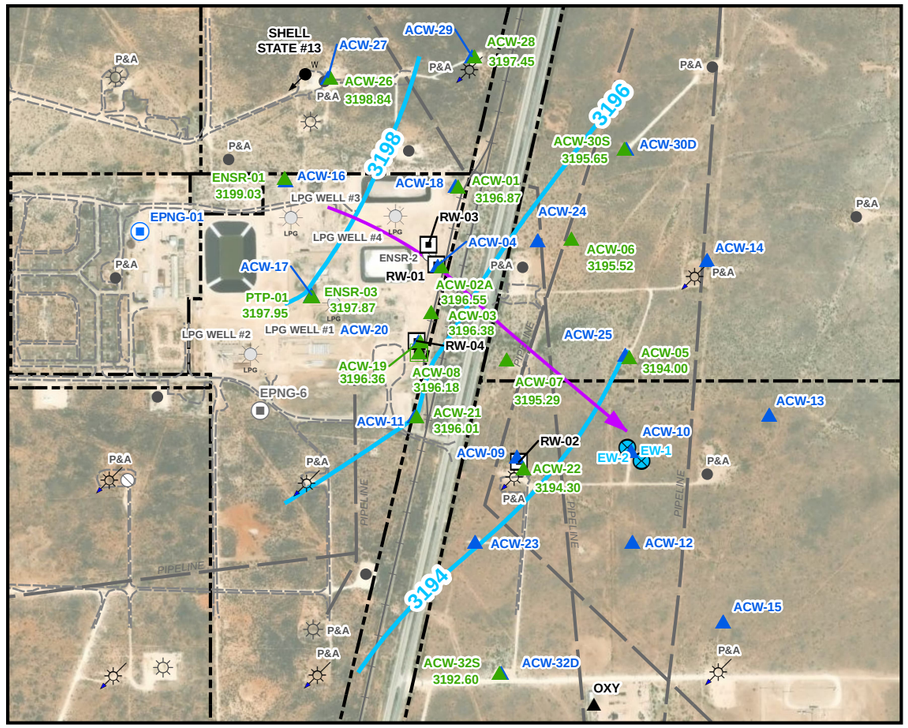
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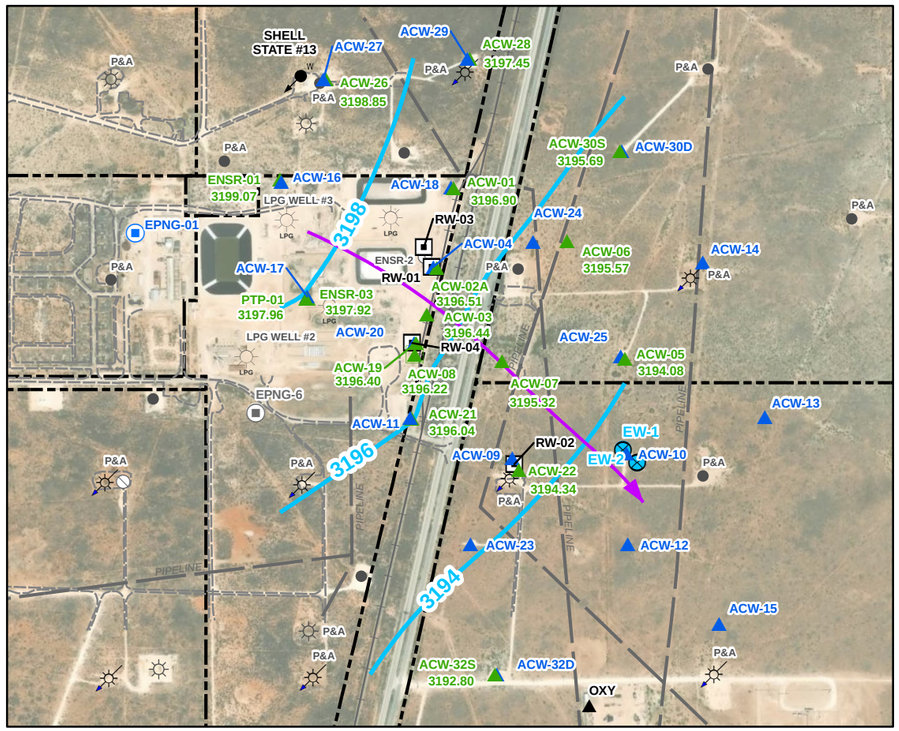
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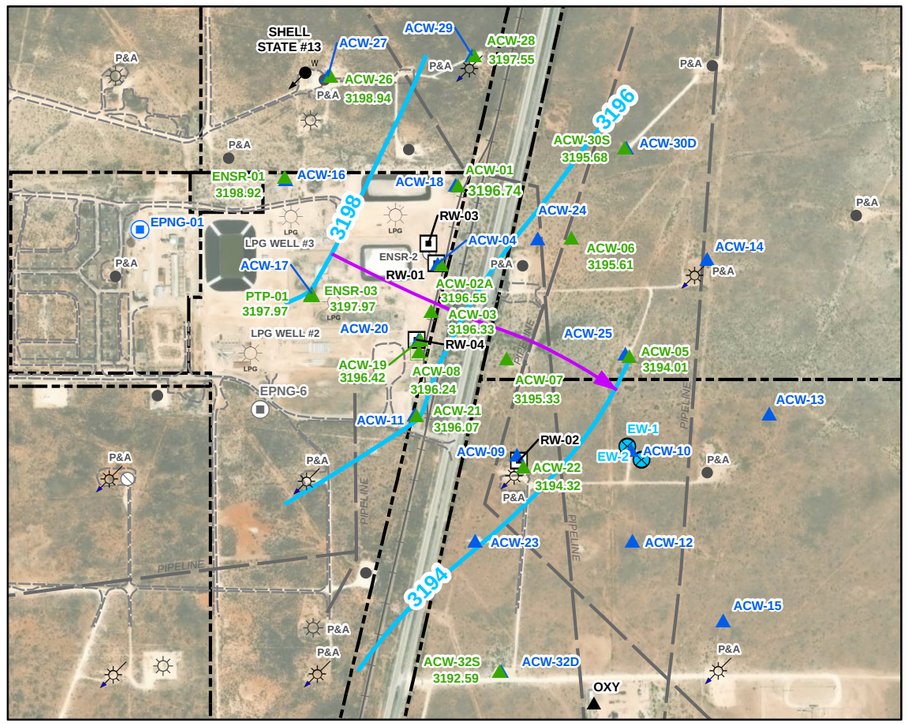
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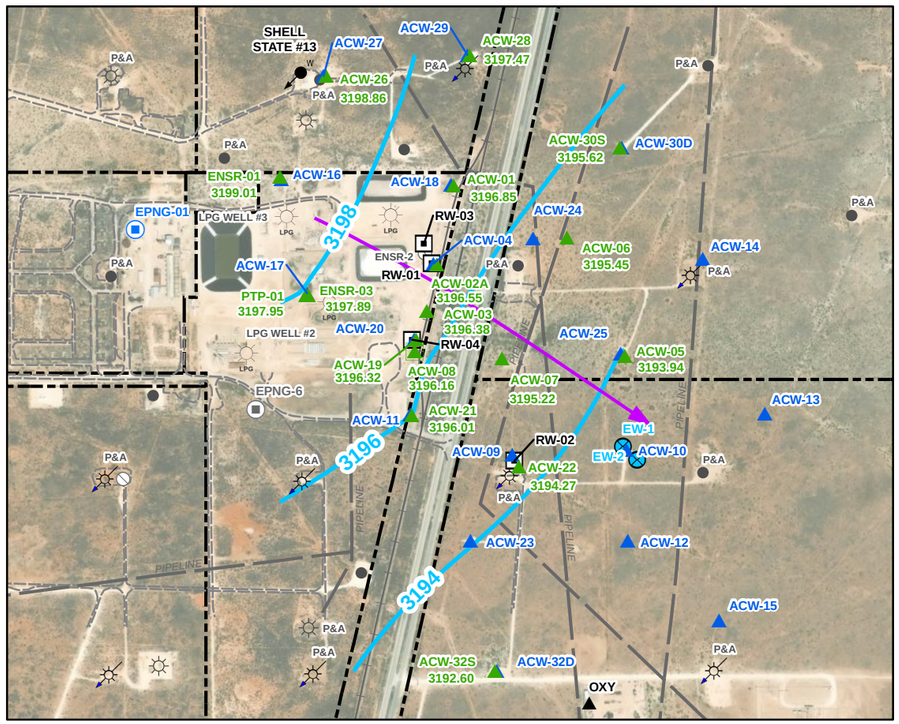
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2nd QUARTER 2024 (JUNE 5, 2024)



3rd QUARTER 2024 (SEPTEMBER 4, 2024)



4th QUARTER 2024 (DECEMBER 10, 2024)

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- GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
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- FUTURE GROUNDWATER EXTRACTION WELL
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- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- CONTOUR OF GROUNDWATER ELEVATION - FEET AMSL, WELLS SCREENED IN THE UPPER PORTION OF THE AQUIFER)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- SECONDARY ROAD
- RAILROAD TRACK
- APPROXIMATE PROPERTY BOUNDARY

NOTES:
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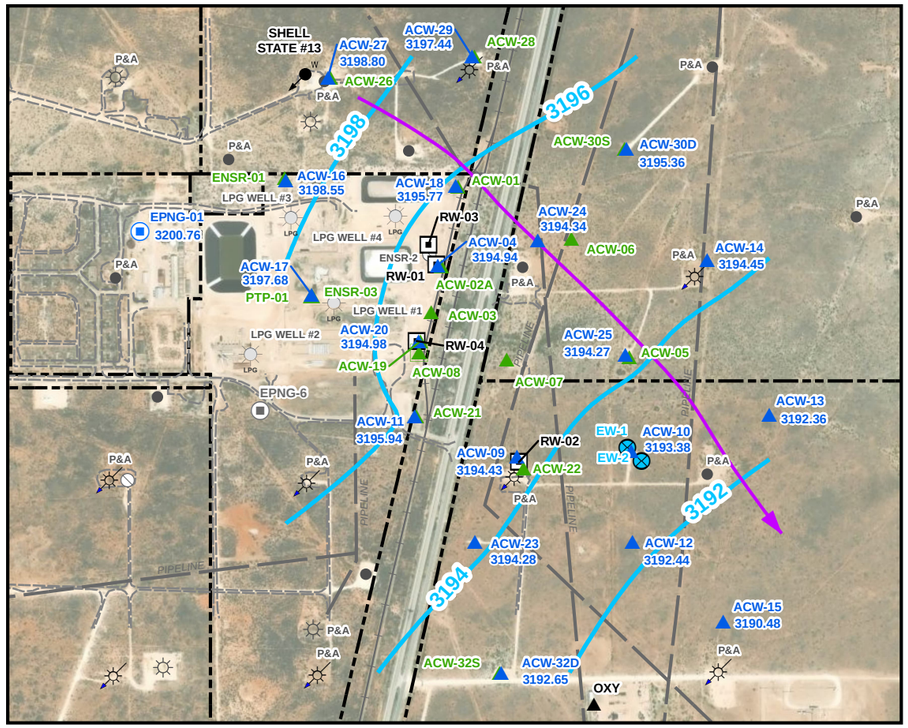
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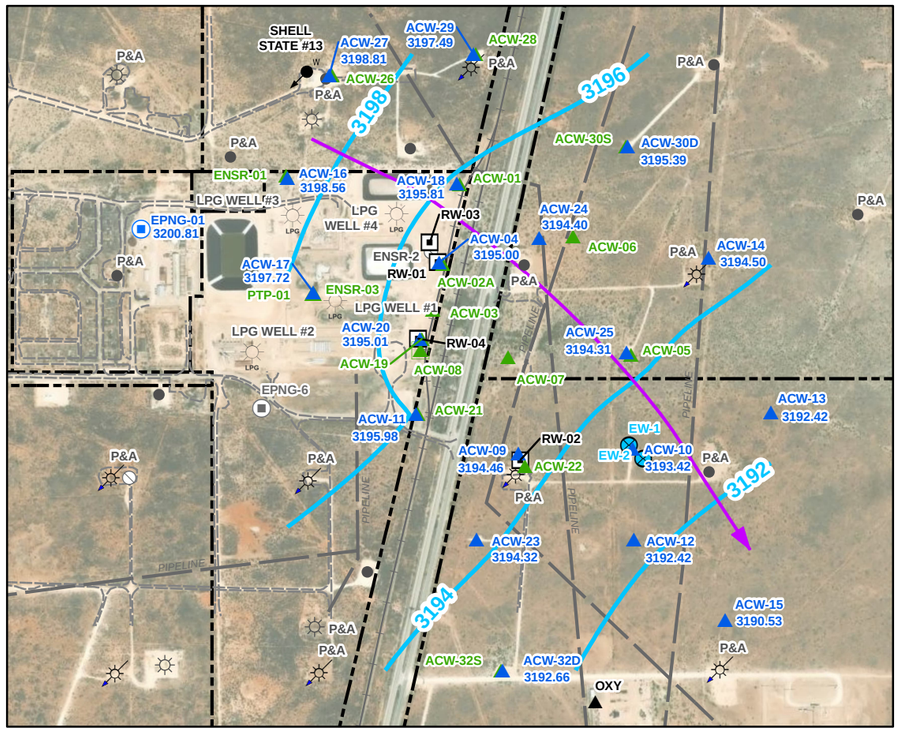
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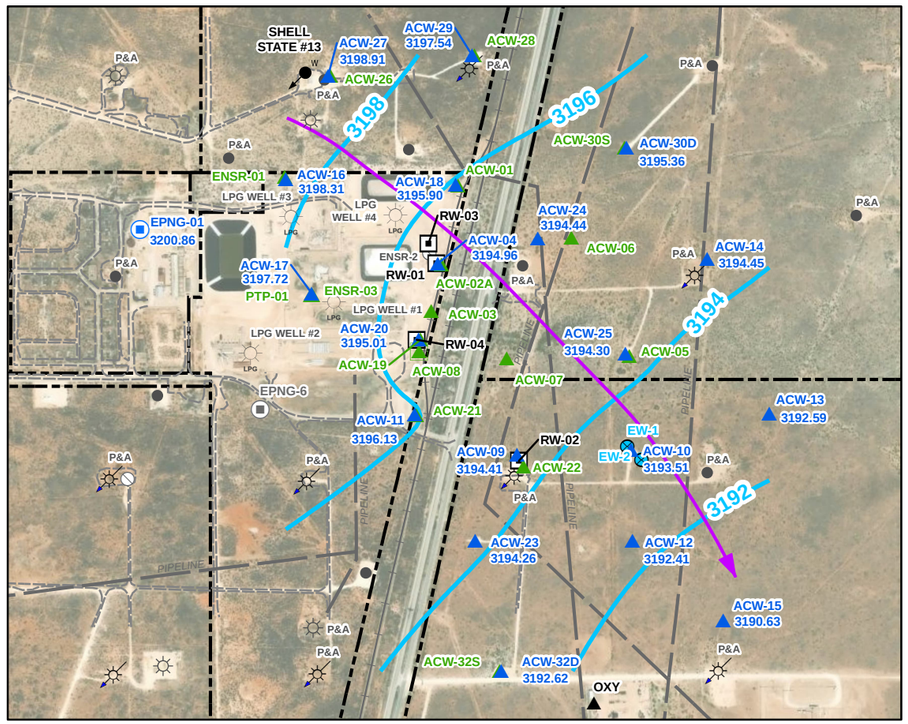
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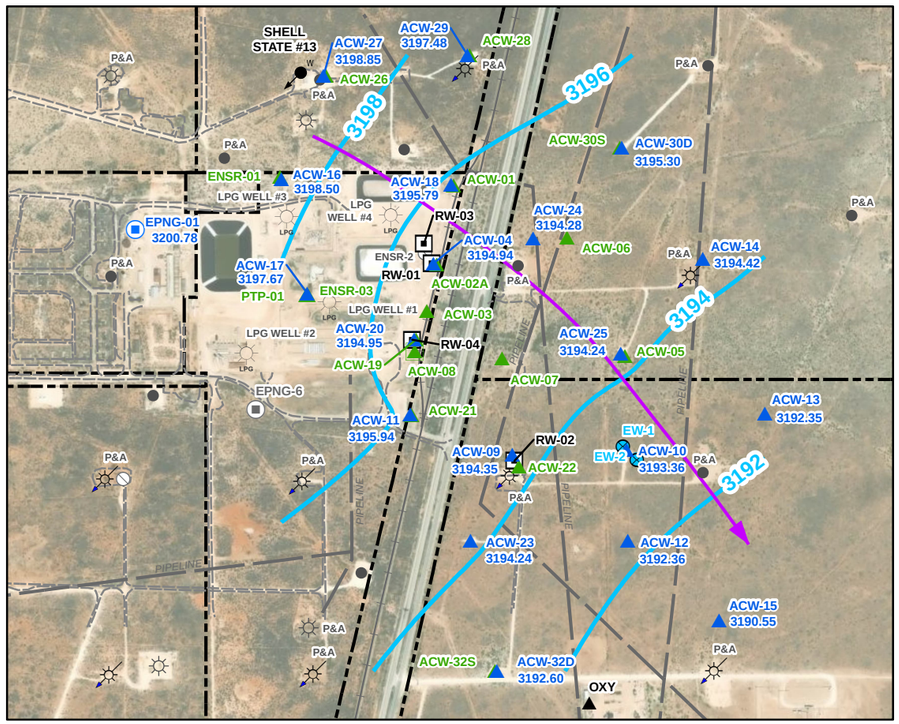
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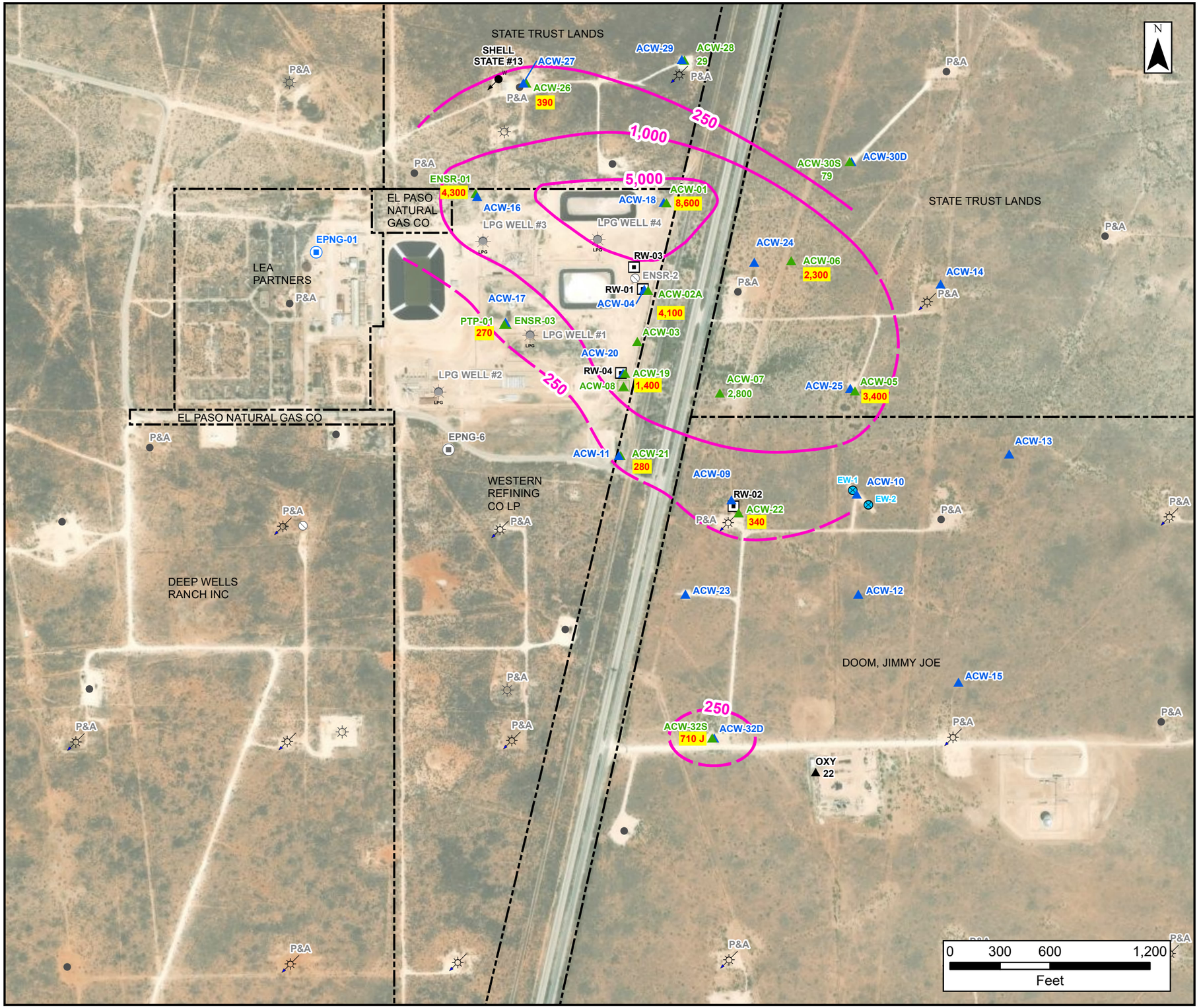
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Client: Kinder Morgan

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- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- Continuous — *CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L*
- Dashed — *INFERRED CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L*
- APPROXMATE PROPERTY BOUNDARY
- 3,400 HIGHLIGHTED VALUES (in mg/L) INDICATE AN EXCEEDANCE

NOTES:
1) NEW MEXICO ENVIRONMENTAL DIVISION HAS ESTABLISHED OTHER STANDARDS FOR DOMESTIC WATER SUPPLY OF 250 mg/L FOR CHLORIDE IN GROUNDWATER CONTAINING TDS LEVELS OF 10,000 mg/L OR LESS.

2) EPA's SECONDARY DRINKING WATER STANDARD (SMCL) FOR CHLORIDE IN PUBLIC WATER SUPPLY SYSTEMS IS 250 MILLIGRAMS PER LITER (mg/L).

3) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

4) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY, WELLS INSERTED FROM VARIOUS OTHER SOURCES, AND DRAWING FILES PROVIDED BY SAIC ENERGY, ENVIRONMENT & INFRASTRUCTURE, LLC OF TULSA, OKLAHOMA.

5) AERIAL PHOTO SOURCED FROM MAXAR, DATED 8/19/2024.

6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOCD OIL & GAS MAP.

AECOM
19219 KATY FREEWAY, SUITE 100
HOUSTON, TX 77094
PH: (281) 646-2400

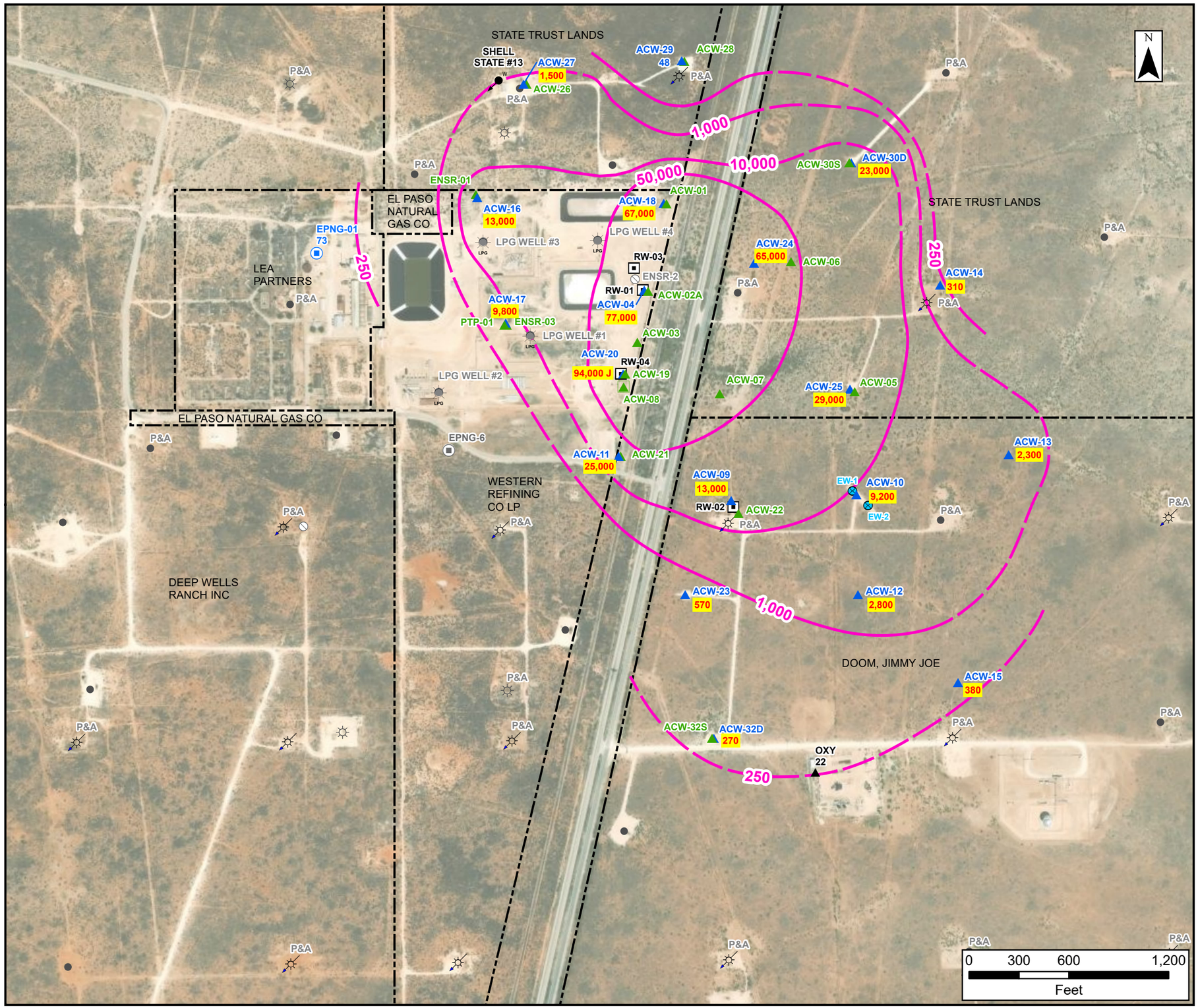
Title: **Isopleth of Chloride Concentrations in Upper Groundwater September 2024**

Project: 2024 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Figure:
As Shown	CB	2025-02-24	60735050	Upper Chloride Dec2024.mxd	5
	Chk'd by: WG	Date: 2025-02-24			

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Legend

- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
- GROUNDWATER MONITOR WELL, SCREENED IN THE LOWER PORTION OF THE AQUIFER
- GROUNDWATER RECOVERY WELL
- GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
- FUTURE GROUNDWATER EXTRACTION WELL
- WATER SUPPLY WELL
- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- Continuous — *CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L*
- Dashed — *INFERRED CONCENTRATIONS OF CHLORIDE IN GROUNDDWATER, mg/L*
- APPROXMATE PROPERTY BOUNDARY
- 2,300 HIGHLIGHTED VALUES (in mg/L) INDICATE AN EXCEEDANCE

NOTES:

1) NEW MEXICO ENVIRONMENTAL DIVISION HAS ESTABLISHED OTHER STANDARDS FOR DOMESTIC WATER SUPPLY OF 250 mg/L FOR CHLORIDE IN GROUNDWATER CONTAINING TDS LEVELS OF 10,000 mg/L OR LESS.

2) EPA's SECONDARY DRINKING WATER STANDARD (SMCL) FOR CHLORIDE IN PUBLIC WATER SUPPLY SYSTEMS IS 250 MILLIGRAMS PER LITER (mg/L).

3) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

4) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY, WELLS INSERTED FROM VARIOUS OTHER SOURCES, AND DRAWING FILES PROVIDED BY SAIC ENERGY, ENVIRONMENT & INFRASTRUCTURE, LLC OF TULSA, OKLAHOMA.

5) AERIAL PHOTO SOURCED FROM MAXAR, DATED 8/19/2024.

6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOCD OIL & GAS MAP.

7) WHERE DUPLICATE SAMPLES WERE COLLECTED, THE GREATER RESULT IS SHOWN.

AECOM
19219 KATY FREEWAY, SUITE 100
HOUSTON, TX 77094
PH: (281) 646-2400

Title: **Isopleth of Chloride Concentrations in Lower Groundwater September 2024**

Project: 2024 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Figure:
As Shown	CB	2025-02-24	60735050	Lower Chloride Dec2024.mxd	6
	Chk'd by: WG	Date: 2025-02-24			

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Legend

- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
- GROUNDWATER MONITOR WELL, SCREENED IN THE LOWER PORTION OF THE AQUIFER
- GROUNDWATER RECOVERY WELL
- GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
- FUTURE GROUNDWATER EXTRACTION WELL
- WATER SUPPLY WELL
- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- APPROXMATE PROPERTY BOUNDARY
- 0.029 HIGHLIGHTED VALUES (in mg/L) INDICATE AN EXCEEDANCE OF 0.01 mg/L.

NOTES:
1) NEW MEXICO ENVIRONMENTAL DIVISION HAS ESTABLISHED A HUMAN HEALTH STANDARD OF 10 µg/L (0.01 mg/L) FOR BENZENE IN GROUNDWATER.

2) EPA's PRIMARY DRINKING WATER STANDARD (MCL) FOR BENZENE IN PUBLIC WATER SUPPLY SYSTEMS IS 5 µg/L (0.005 mg/L).

3) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

4) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY, WELLS INSERTED FROM VARIOUS OTHER SOURCES, AND DRAWING FILES PROVIDED BY SAIC ENERGY, ENVIRONMENT & INFRASTRUCTURE, LLC OF TULSA, OKLAHOMA.

5) AERIAL PHOTO SOURCED FROM MAXAR, DATED 8/19/2024.

6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOCD OIL & GAS MAP.

0 300 600 1,200
Feet

AECOM
19219 KATY FREEWAY, SUITE 100
HOUSTON, TX 77094
PH: (281) 646-2400

Title: **Benzene Concentrations in Upper Groundwater September 2024**

Project: 2024 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Figure:
As Shown	CB	2024-12-19	60735050	Upper Benzene Dec2024.mxd	7
	Chk'd by: WG	Date: 2024-12-19			

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Legend

- DISPOSAL WELL
- GROUNDWATER MONITOR WELL, SCREENED IN THE UPPER PORTION OF THE AQUIFER
- GROUNDWATER MONITOR WELL, SCREENED IN THE LOWER PORTION OF THE AQUIFER
- GROUNDWATER RECOVERY WELL
- GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
- FUTURE GROUNDWATER EXTRACTION WELL
- WATER SUPPLY WELL
- PLUGGED/ABANDONDED WATER SUPPLY WELL
- WATER SUPPLY WELL
- INJECTION WELL (WATER FLOOD)
- OIL WELL
- GAS WELL
- LPG STORAGE WELL
- PLUGGED/ABANDONED MAY 2012
- APPROXMATE PROPERTY BOUNDARY
- 0.019 HIGHLIGHTED VALUES (in mg/L) INDICATE AN EXCEEDANCE OF 0.01 mg/L

NOTES:
1) NEW MEXICO ENVIRONMENTAL DIVISION HAS ESTABLISHED A HUMAN HEALTH STANDARD OF 10 µg/L (0.01 mg/L) FOR BENZENE IN GROUNDWATER.

2) EPA's PRIMARY DRINKING WATER STANDARD (MCL) FOR BENZENE IN PUBLIC WATER SUPPLY SYSTEMS IS 5 µg/L (0.005 mg/L).

3) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

4) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY, WELLS INSERTED FROM VARIOUS OTHER SOURCES, AND DRAWING FILES PROVIDED BY SAIC ENERGY, ENVIRONMENT & INFRASTRUCTURE, LLC OF TULSA, OKLAHOMA.

5) AERIAL PHOTO SOURCED FROM MAXAR, DATED 8/19/2024.

6) SOURCE OF INDUSTRY-RELATED WELLS IS NMOCD OIL & GAS MAP.

7) WHERE DUPLICATE SAMPLES WERE COLLECTED, THE GREATER RESULT IS SHOWN.

0 300 600 1,200
Feet

AECOM
19219 KATY FREEWAY, SUITE 100
HOUSTON, TX 77094
PH: (281) 646-2400

Title: **Benzene Concentrations in Lower Groundwater September 2024**

Project: 2024 Groundwater Remediation Report
El Paso Natural Gas Company
JAL #4 Gas Plant - Lea County, New Mexico

Client: Kinder Morgan

Scale:	Drawn by:	Date:	Project No.:	File Name:	Figure:
As Shown	CB	2025-02-24	60735050	Lower Benzene Dec2024.mxd	8
	Chk'd by: WG	Date: 2025-02-24			

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Received by OCD: 3/27/2025 11:08:08 AM

Tables

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Table 1
Quarterly Monitoring Well Sampling Schedule
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	2024 Quarter 1	2024 Quarter 2	2024 Quarter 3	2024 Quarter 4
Program Wells				
ACW-01	G	G	G,S	G
ACW-02A	G	G	G,S	G
ACW-03	G	G	G	G
ACW-04	G	G	G,S	G
ACW-05	G	G	G,S	G
ACW-06	G	G	G,S	G
ACW-07	G	G	G,S	G
ACW-08	G	G	G	G
ACW-09	G	G	G,S	G
ACW-10	G	G	G,S	G
ACW-11	G	G	G,S	G
ACW-12	G	G	G,S	G
ACW-13	G,S	G,S	G,S	G,S
ACW-14	G,S	G,S	G,S	G,S
ACW-15	G,S	G,S	G,S	G,S
ACW-16	G	G	G,S	G
ACW-17	G	G	G,S	G
ACW-18	G	G	G,S	G
ACW-19	G	G	G,S	G
ACW-20	G	G	G,S	G
ACW-21	G	G	G,S	G
ACW-22	G	G	G,S	G
ACW-23	G	G	G,S	G
ACW-24	G	G	G,S	G
ACW-25	G	G	G,S	G
ACW-26	G	G	G,S	G
ACW-27	G	G	G,S	G
ACW-28	G	G	G,S	G
ACW-29	G	G	G,S	G
ACW-30S	G	G	G,S	G
ACW-30D	G	G	G,S	G
ACW-32S	G	G	G,S	G
ACW-32D	G	G	G,S	G

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Table 1
Quarterly Monitoring Well Sampling Schedule
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	2024 Quarter 1	2024 Quarter 2	2024 Quarter 3	2024 Quarter 4
Non-Program Wells				
ENSR-01	G	G	G,S	G
ENSR-03	G	G	G	G
EPNG-01	G	G	G,S	G
OXY Water Well	G,S	G,S	G,S	G,S
Doom Water Well	G,S	G,S	G,S	G,S
PTP-01	G	G	G,S	G
RW-01	G	G	G	G
RW-02	G	G	G	G
RW-03	G	G	G	G
RW-04	G	G	G	G

Notes:
G - gauge only
G,S - gauge and sample

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-01	110 to 130	3302.15	3/5/2019	105.35	3196.80
			6/18/2019	105.25	3196.90
			9/10/2019	105.30	3196.85
			12/18/2019	105.16	3196.99
			3/19/2020	105.33	3196.82
			6/24/2020	105.22	3196.93
			9/24/2020	105.23	3196.92
			12/9/2020	105.17	3196.98
			3/23/2021	105.23	3196.92
			6/16/2021	105.23	3196.92
			9/15/2021	105.25	3196.90
			12/1/2021	105.22	3196.93
			3/29/2022	105.15	3197.00
			6/29/2022	105.19	3196.96
			9/20/2022	105.20	3196.95
			12/1/2022	105.22	3196.93
			3/23/2023	105.21	3196.94
			6/20/2023	105.14	3197.01
			9/12/2023	105.27	3196.88
			11/30/2023	105.23	3196.92
			3/27/2024	105.28	3196.87
			6/5/2024	105.25	3196.90
			9/4/2024	105.41	3196.74
			12/10/2024	105.30	3196.85
ACW-02A	98 to 118	3302.16	3/5/2019	105.58	3196.58
			6/18/2019	105.50	3196.66
			9/10/2019	105.55	3196.61
			12/18/2019	105.45	3196.71
			3/19/2020	105.57	3196.59
			6/24/2020	105.50	3196.66
			9/24/2020	105.51	3196.65
			12/9/2020	105.48	3196.68
			3/23/2021	105.33	3196.83
			6/16/2021	105.53	3196.63
			9/15/2021	105.50	3196.66
			12/1/2021	105.44	3196.72
			3/29/2022	105.48	3196.68
			6/29/2022	105.50	3196.66
			9/20/2022	105.52	3196.64
			12/1/2022	105.51	3196.65
			3/23/2023	105.50	3196.66
			6/20/2023	105.51	3196.65
			9/12/2023	105.54	3196.62
			11/30/2023	105.53	3196.63
			3/27/2024	105.61	3196.55
			6/5/2024	105.65	3196.51
			9/4/2024	105.61	3196.55
			12/10/2024	105.61	3196.55

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-03	112 to 132	3301.62	3/5/2019	105.20	3196.42
			6/18/2019	105.12	3196.50
			9/10/2019	105.14	3196.48
			12/18/2019	105.10	3196.52
			3/19/2020	105.19	3196.43
			6/24/2020	105.11	3196.51
			9/24/2020	105.14	3196.48
			12/9/2020	105.04	3196.58
			3/23/2021	105.14	3196.48
			6/16/2021	105.14	3196.48
			9/15/2021	105.13	3196.49
			12/1/2021	105.04	3196.58
			3/29/2022	105.07	3196.55
			6/29/2022	105.12	3196.50
			9/20/2022	105.13	3196.49
			12/1/2022	105.11	3196.51
			3/23/2023	105.09	3196.53
			6/20/2023	105.15	3196.47
			9/12/2023	105.19	3196.43
			11/30/2023	105.16	3196.46
			3/27/2024	105.24	3196.38
			6/5/2024	105.18	3196.44
			9/4/2024	105.29	3196.33
			12/10/2024	105.24	3196.38
ACW-04	154 to 169	3302.05	3/5/2019	107.23	3194.82
			6/18/2019	107.14	3194.91
			9/10/2019	107.18	3194.87
			12/18/2019	107.02	3195.03
			3/19/2020	107.11	3194.94
			6/24/2020	107.08	3194.97
			9/24/2020	107.09	3194.96
			12/9/2020	107.05	3195.00
			3/23/2021	107.08	3194.97
			6/16/2021	107.09	3194.96
			9/15/2021	107.07	3194.98
			12/1/2021	106.99	3195.06
			3/29/2022	106.99	3195.06
			6/29/2022	107.04	3195.01
			9/20/2022	107.04	3195.01
			12/1/2022	107.01	3195.04
			3/23/2023	107.00	3195.05
			6/20/2023	107.05	3195.00
			9/12/2023	107.06	3194.99
			11/30/2023	107.06	3194.99
			3/27/2024	107.11	3194.94
			6/5/2024	107.05	3195.00
			9/4/2024	107.09	3194.96
			12/10/2024	107.11	3194.94

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-05	105 to 115	3297.18	3/5/2019	103.16	3194.02
			6/18/2019	103.11	3194.07
			9/10/2019	103.11	3194.07
			12/18/2019	103.07	3194.11
			3/19/2020	103.16	3194.02
			6/24/2020	102.98	3194.20
			9/24/2020	103.07	3194.11
			12/9/2020	103.03	3194.15
			3/23/2021	103.05	3194.13
			6/16/2021	103.11	3194.07
			9/15/2021	103.09	3194.09
			12/1/2021	103.05	3194.13
			3/29/2022	103.02	3194.16
			6/29/2022	103.14	3194.04
			9/20/2022	103.10	3194.08
			12/1/2022	103.11	3194.07
			3/23/2023	103.09	3194.09
			6/20/2023	103.05	3194.13
			9/12/2023	103.08	3194.10
			11/30/2023	103.15	3194.03
			3/27/2024	103.18	3194.00
			6/5/2024	103.10	3194.08
			9/4/2024	103.17	3194.01
			12/10/2024	103.24	3193.94
ACW-06	110 to 120	3302.84	3/5/2019	107.33	3195.51
			6/18/2019	107.22	3195.62
			9/10/2019	107.29	3195.55
			12/18/2019	107.22	3195.62
			3/19/2020	107.28	3195.56
			6/24/2020	107.20	3195.64
			9/24/2020	107.23	3195.61
			12/9/2020	107.16	3195.68
			3/23/2021	107.21	3195.63
			6/16/2021	107.26	3195.58
			9/15/2021	107.24	3195.60
			12/1/2021	107.47	3195.37
			3/29/2022	107.19	3195.65
			6/29/2022	107.23	3195.61
			9/20/2022	107.23	3195.61
			12/1/2022	107.11	3195.73
			3/23/2023	107.25	3195.59
			6/20/2023	107.22	3195.62
			9/12/2023	107.15	3195.69
			11/30/2023	107.29	3195.55
			3/27/2024	107.32	3195.52
			6/5/2024	107.27	3195.57
			9/4/2024	107.23	3195.61
			12/10/2024	107.39	3195.45

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-07	105 to 115	3297.63	3/5/2019	102.34	3195.29
			6/18/2019	102.26	3195.37
			9/10/2019	102.28	3195.35
			12/18/2019	102.20	3195.43
			3/19/2020	102.30	3195.33
			6/24/2020	102.13	3195.50
			9/24/2020	102.23	3195.40
			12/9/2020	102.18	3195.45
			3/23/2021	102.20	3195.43
			6/16/2021	102.30	3195.33
			9/15/2021	102.26	3195.37
			12/1/2021	102.21	3195.42
			3/29/2022	102.20	3195.43
			6/29/2022	102.35	3195.28
			9/20/2022	102.27	3195.36
			12/1/2022	102.29	3195.34
			3/23/2023	102.27	3195.36
			6/20/2023	102.25	3195.38
			9/12/2023	102.20	3195.43
			11/30/2023	102.31	3195.32
			3/27/2024	102.34	3195.29
			6/5/2024	102.31	3195.32
			9/4/2024	102.30	3195.33
			12/10/2024	102.41	3195.22
ACW-08	140 to 160	3299.54	3/5/2019	103.32	3196.22
			6/18/2019	103.23	3196.31
			9/10/2019	103.26	3196.28
			12/18/2019	103.20	3196.34
			3/19/2020	103.27	3196.27
			6/24/2020	103.22	3196.32
			9/24/2020	103.25	3196.29
			12/9/2020	103.22	3196.32
			3/23/2021	103.25	3196.29
			6/16/2021	103.25	3196.29
			9/15/2021	103.25	3196.29
			12/1/2021	103.21	3196.33
			3/29/2022	103.20	3196.34
			6/29/2022	103.25	3196.29
			9/20/2022	103.26	3196.28
			12/1/2022	103.25	3196.29
			3/23/2023	103.26	3196.28
			6/20/2023	103.28	3196.26
			9/12/2023	103.25	3196.29
			11/30/2023	103.34	3196.20
			3/27/2024	103.36	3196.18
			6/5/2024	103.32	3196.22
			9/4/2024	103.30	3196.24
			12/10/2024	103.38	3196.16

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-09	140 to 160	3304.69	3/5/2019	110.28	3194.41
			6/18/2019	110.06	3194.63
			9/10/2019	110.20	3194.49
			12/18/2019	110.14	3194.55
			3/19/2020	110.23	3194.46
			6/24/2020	110.08	3194.61
			9/24/2020	110.14	3194.55
			12/9/2020	110.00	3194.69
			3/23/2021	110.12	3194.57
			6/16/2021	110.21	3194.48
			9/15/2021	110.19	3194.50
			12/1/2021	110.12	3194.57
			3/29/2022	110.13	3194.56
			6/29/2022	110.18	3194.51
			9/20/2022	110.19	3194.50
			12/1/2022	110.21	3194.48
			3/23/2023	110.18	3194.51
			6/20/2023	110.07	3194.62
			9/12/2023	110.22	3194.47
			11/30/2023	110.25	3194.44
			3/27/2024	110.26	3194.43
			6/5/2024	110.23	3194.46
			9/4/2024	110.28	3194.41
			12/10/2024	110.34	3194.35
ACW-10	140 to 160	3299.82	3/5/2019	106.38	3193.44
			6/18/2019	106.26	3193.56
			9/10/2019	106.31	3193.51
			12/18/2019	106.24	3193.58
			3/19/2020	106.33	3193.49
			6/24/2020	106.19	3193.63
			9/24/2020	106.26	3193.56
			12/9/2020	106.17	3193.65
			3/23/2021	106.23	3193.59
			6/16/2021	106.31	3193.51
			9/15/2021	106.29	3193.53
			12/1/2021	107.66	3192.16
			3/29/2022	106.24	3193.58
			6/29/2022	106.41	3193.41
			9/20/2022	106.37	3193.45
			12/1/2022	106.37	3193.45
			3/23/2023	106.36	3193.46
			6/20/2023	106.32	3193.50
			9/12/2023	106.38	3193.44
			11/30/2023	106.45	3193.37
			3/27/2024	106.44	3193.38
			6/5/2024	106.40	3193.42
			9/4/2024	106.31	3193.51
			12/10/2024	106.46	3193.36

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-11	140 to 161	3301.64	3/5/2019	105.69	3195.95
			6/18/2019	105.61	3196.03
			9/10/2019	105.67	3195.97
			12/18/2019	105.55	3196.09
			3/19/2020	105.68	3195.96
			6/24/2020	105.95	3195.69
			9/24/2020	105.64	3196.00
			12/9/2020	105.58	3196.06
			3/23/2021	105.63	3196.01
			6/16/2021	105.64	3196.00
			9/15/2021	105.62	3196.02
			12/1/2021	105.65	3195.99
			3/29/2022	105.58	3196.06
			6/29/2022	105.62	3196.02
			9/20/2022	105.61	3196.03
			12/1/2022	105.62	3196.02
			3/23/2023	105.63	3196.01
			6/20/2023	105.63	3196.01
			9/12/2023	105.60	3196.04
			11/30/2023	105.71	3195.93
			3/27/2024	105.70	3195.94
			6/5/2024	105.66	3195.98
			9/4/2024	105.51	3196.13
			12/10/2024	105.70	3195.94
ACW-12	150 to 170	3301.8	3/5/2019	109.43	3192.37
			6/18/2019	109.33	3192.47
			9/10/2019	109.37	3192.43
			12/18/2019	109.31	3192.49
			3/19/2020	109.42	3192.38
			6/24/2020	109.26	3192.54
			9/24/2020	109.32	3192.48
			12/9/2020	109.22	3192.58
			3/23/2021	109.31	3192.49
			6/16/2021	109.38	3192.42
			9/15/2021	109.35	3192.45
			12/1/2021	109.28	3192.52
			3/29/2022	109.28	3192.52
			6/29/2022	109.37	3192.43
			9/20/2022	109.33	3192.47
			12/1/2022	109.33	3192.47
			3/23/2023	109.29	3192.51
			6/20/2023	109.25	3192.55
			9/12/2023	109.38	3192.42
			11/30/2023	109.34	3192.46
			3/27/2024	109.36	3192.44
			6/5/2024	109.38	3192.42
			9/4/2024	109.39	3192.41
			12/10/2024	109.44	3192.36

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-13	153 to 173	3291.72	3/5/2019	99.38	3192.34
			6/18/2019	99.29	3192.43
			9/10/2019	99.32	3192.40
			12/18/2019	99.24	3192.48
			3/19/2020	99.32	3192.40
			6/24/2020	99.23	3192.49
			9/24/2020	99.24	3192.48
			12/9/2020	99.22	3192.50
			3/23/2021	99.29	3192.43
			6/16/2021	99.27	3192.45
			9/15/2021	99.26	3192.46
			12/1/2021	99.30	3192.42
			3/29/2022	99.25	3192.47
			6/29/2022	99.32	3192.40
			9/20/2022	99.31	3192.41
			12/1/2022	99.28	3192.44
			3/23/2023	99.26	3192.46
			6/20/2023	99.36	3192.36
			9/12/2023	99.35	3192.37
			11/30/2023	99.33	3192.39
			3/27/2024	99.36	3192.36
			6/5/2024	99.30	3192.42
			9/4/2024	99.13	3192.59
			12/10/2024	99.37	3192.35
ACW-14	157 to 177	3294.74	3/5/2019	100.34	3194.40
			6/18/2019	100.26	3194.48
			9/10/2019	100.31	3194.43
			12/18/2019	100.22	3194.52
			3/19/2020	100.28	3194.46
			6/24/2020	100.16	3194.58
			9/24/2020	100.18	3194.56
			12/9/2020	100.22	3194.52
			3/23/2021	100.26	3194.48
			6/16/2021	100.24	3194.50
			9/15/2021	100.23	3194.51
			12/1/2021	100.24	3194.50
			3/29/2022	100.23	3194.51
			6/29/2022	100.37	3194.37
			9/20/2022	100.26	3194.48
			12/1/2022	100.24	3194.50
			3/23/2023	100.20	3194.54
			6/20/2023	100.16	3194.58
			9/12/2023	100.18	3194.56
			11/30/2023	100.25	3194.49
			3/27/2024	100.29	3194.45
			6/5/2024	100.24	3194.50
			9/4/2024	100.29	3194.45
			12/10/2024	100.32	3194.42

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-15	150 to 170	3292.75	3/5/2019	102.32	3190.43
			6/18/2019	102.25	3190.50
			9/10/2019	102.28	3190.47
			12/18/2019	102.25	3190.50
			3/19/2020	102.39	3190.36
			6/24/2020	102.13	3190.62
			9/24/2020	102.18	3190.57
			12/9/2020	102.22	3190.53
			3/23/2021	102.23	3190.52
			6/16/2021	102.24	3190.51
			9/15/2021	102.17	3190.58
			12/1/2021	102.10	3190.65
			3/29/2022	102.15	3190.60
			6/29/2022	102.22	3190.53
			9/20/2022	102.22	3190.53
			12/1/2022	102.19	3190.56
			3/23/2023	102.15	3190.60
			6/20/2023	102.24	3190.51
			9/12/2023	102.19	3190.56
			11/30/2023	102.22	3190.53
			3/27/2024	102.27	3190.48
			6/5/2024	102.22	3190.53
			9/4/2024	102.12	3190.63
			12/10/2024	102.20	3190.55
ACW-16	156 to 176	3307.89	3/5/2019	109.40	3198.49
			6/18/2019	109.27	3198.62
			9/10/2019	109.34	3198.55
			12/18/2019	109.30	3198.59
			3/19/2020	109.38	3198.51
			6/24/2020	109.23	3198.66
			9/24/2020	109.24	3198.65
			12/9/2020	109.29	3198.60
			3/23/2021	109.29	3198.60
			6/16/2021	109.33	3198.56
			9/15/2021	109.30	3198.59
			12/1/2021	109.31	3198.58
			3/29/2022	109.11	3198.78
			6/29/2022	109.19	3198.70
			9/20/2022	109.23	3198.66
			12/1/2022	109.32	3198.57
			3/23/2023	109.25	3198.64
			6/20/2023	109.20	3198.69
			9/12/2023	109.38	3198.51
			11/30/2023	109.24	3198.65
			3/27/2024	109.34	3198.55
			6/5/2024	109.33	3198.56
			9/4/2024	109.58	3198.31
			12/10/2024	109.39	3198.50

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-17	151 to 171	3306.17	3/5/2019	108.45	3197.72
			6/18/2019	108.34	3197.83
			9/10/2019	108.40	3197.77
			12/18/2019	108.36	3197.81
			3/19/2020	108.43	3197.74
			6/24/2020	108.32	3197.85
			9/24/2020	108.33	3197.84
			12/9/2020	108.43	3197.74
			3/23/2021	108.38	3197.79
			6/16/2021	108.45	3197.72
			9/15/2021	108.42	3197.75
			12/1/2021	108.36	3197.81
			3/29/2022	107.29	3198.88
			6/29/2022	107.31	3198.86
			9/20/2022	108.29	3197.88
			12/1/2022	108.33	3197.84
			3/23/2023	108.39	3197.78
			6/20/2023	108.34	3197.83
			9/12/2023	108.39	3197.78
			11/30/2023	108.38	3197.79
			3/27/2024	108.49	3197.68
			6/5/2024	108.45	3197.72
			9/4/2024	108.45	3197.72
			12/10/2024	108.50	3197.67
ACW-18	160 to 180	3303.15	3/5/2019	107.40	3195.75
			6/18/2019	107.31	3195.84
			9/10/2019	107.37	3195.78
			12/18/2019	107.25	3195.90
			3/19/2020	107.42	3195.73
			6/24/2020	107.30	3195.85
			9/24/2020	107.32	3195.83
			12/9/2020	107.23	3195.92
			3/23/2021	107.31	3195.84
			6/16/2021	107.30	3195.85
			9/15/2021	107.30	3195.85
			12/1/2021	107.29	3195.86
			3/29/2022	107.23	3195.92
			6/29/2022	107.28	3195.87
			9/20/2022	107.29	3195.86
			12/1/2022	107.28	3195.87
			3/23/2023	107.26	3195.89
			6/20/2023	107.32	3195.83
			9/12/2023	107.33	3195.82
			11/30/2023	107.32	3195.83
			3/27/2024	107.38	3195.77
			6/5/2024	107.34	3195.81
			9/4/2024	107.25	3195.90
			12/10/2024	107.36	3195.79

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-19	98 to 118	3302.68	3/5/2019	106.30	3196.38
			6/18/2019	106.21	3196.47
			9/10/2019	106.24	3196.44
			12/18/2019	106.16	3196.52
			3/19/2020	106.25	3196.43
			6/24/2020	106.21	3196.47
			9/24/2020	106.24	3196.44
			12/9/2020	106.08	3196.60
			3/23/2021	106.24	3196.44
			6/16/2021	106.23	3196.45
			9/15/2021	106.24	3196.44
			12/1/2021	106.12	3196.56
			3/29/2022	106.18	3196.50
			6/29/2022	106.21	3196.47
			9/20/2022	106.22	3196.46
			12/1/2022	106.27	3196.41
			3/23/2023	106.24	3196.44
			6/20/2023	106.25	3196.43
			9/12/2023	106.23	3196.45
			11/30/2023	106.40	3196.28
			3/27/2024	106.32	3196.36
			6/5/2024	106.28	3196.40
			9/4/2024	106.26	3196.42
			12/10/2024	106.36	3196.32
ACW-20	154 to 174	3303.5	3/5/2019	108.51	3194.99
			6/18/2019	108.42	3195.08
			9/10/2019	108.44	3195.06
			12/18/2019	108.38	3195.12
			3/19/2020	108.50	3195.00
			6/24/2020	108.42	3195.08
			9/24/2020	108.45	3195.05
			12/9/2020	108.55	3194.95
			3/23/2021	108.44	3195.06
			6/16/2021	108.44	3195.06
			9/15/2021	108.43	3195.07
			12/1/2021	108.44	3195.06
			3/29/2022	108.38	3195.12
			6/29/2022	108.42	3195.08
			9/20/2022	108.43	3195.07
			12/1/2022	108.46	3195.04
			3/23/2023	108.43	3195.07
			6/20/2023	108.41	3195.09
			9/12/2023	108.46	3195.04
			11/30/2023	108.52	3194.98
			3/27/2024	108.52	3194.98
			6/5/2024	108.49	3195.01
			9/4/2024	108.49	3195.01
			12/10/2024	108.55	3194.95

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-21	98 to 118	3301.82	3/5/2019	105.78	3196.04
			6/18/2019	105.73	3196.09
			9/10/2019	105.76	3196.06
			12/18/2019	105.76	3196.06
			3/19/2020	105.78	3196.04
			6/24/2020	105.70	3196.12
			9/24/2020	105.75	3196.07
			12/9/2020	105.60	3196.22
			3/23/2021	105.75	3196.07
			6/16/2021	105.73	3196.09
			9/15/2021	105.71	3196.11
			12/1/2021	105.76	3196.06
			3/29/2022	105.68	3196.14
			6/29/2022	105.73	3196.09
			9/20/2022	105.70	3196.12
			12/1/2022	105.75	3196.07
			3/23/2023	105.74	3196.08
			6/20/2023	105.74	3196.08
			9/12/2023	105.67	3196.15
			11/30/2023	105.79	3196.03
			3/27/2024	105.81	3196.01
			6/5/2024	105.78	3196.04
			9/4/2024	105.75	3196.07
			12/10/2024	105.81	3196.01
ACW-22	102 to 122	3306.24	3/5/2019	111.97	3194.27
			6/18/2019	111.85	3194.39
			9/10/2019	111.87	3194.37
			12/18/2019	111.81	3194.43
			3/19/2020	111.93	3194.31
			6/24/2020	111.75	3194.49
			9/24/2020	111.77	3194.47
			12/9/2020	111.70	3194.54
			3/23/2021	111.79	3194.45
			6/16/2021	111.88	3194.36
			9/15/2021	111.88	3194.36
			12/1/2021	111.81	3194.43
			3/29/2022	111.82	3194.42
			6/29/2022	111.85	3194.39
			9/20/2022	111.84	3194.40
			12/1/2022	111.86	3194.38
			3/23/2023	111.86	3194.38
			6/20/2023	111.82	3194.42
			9/12/2023	111.95	3194.29
			11/30/2023	111.92	3194.32
			3/27/2024	111.94	3194.30
			6/5/2024	111.90	3194.34
			9/4/2024	111.92	3194.32
			12/10/2024	111.97	3194.27

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-23	147 to 167	3306.29	3/5/2019	112.07	3194.22
			6/18/2019	111.95	3194.34
			9/10/2019	111.99	3194.30
			12/18/2019	111.94	3194.35
			3/19/2020	112.03	3194.26
			6/24/2020	111.85	3194.44
			9/24/2020	111.92	3194.37
			12/9/2020	111.85	3194.44
			3/23/2021	111.90	3194.39
			6/16/2021	111.99	3194.30
			9/15/2021	111.96	3194.33
			12/1/2021	111.91	3194.38
			3/29/2022	111.90	3194.39
			6/29/2022	111.92	3194.37
			9/20/2022	111.90	3194.39
			12/1/2022	111.89	3194.40
			3/23/2023	111.91	3194.38
			6/20/2023	111.88	3194.41
			9/12/2023	112.01	3194.28
			11/30/2023	111.93	3194.36
			3/27/2024	112.01	3194.28
			6/5/2024	111.97	3194.32
			9/4/2024	112.03	3194.26
			12/10/2024	112.05	3194.24
ACW-24	166 to 186	3305.56	3/5/2019	110.54	3195.02
			6/18/2019	110.47	3195.09
			9/10/2019	110.50	3195.06
			12/18/2019	110.64	3194.92
			3/19/2020	110.74	3194.82
			6/24/2020	110.68	3194.88
			9/24/2020	110.69	3194.87
			12/9/2020	110.63	3194.93
			3/23/2021	110.67	3194.89
			6/16/2021	110.75	3194.81
			9/15/2021	110.86	3194.70
			12/1/2021	110.74	3194.82
			3/29/2022	110.67	3194.89
			6/29/2022	110.72	3194.84
			9/20/2022	110.76	3194.80
			12/1/2022	110.60	3194.96
			3/23/2023	110.73	3194.83
			6/20/2023	110.71	3194.85
			9/12/2023	111.02	3194.54
			11/30/2023	111.18	3194.38
			3/27/2024	111.22	3194.34
			6/5/2024	111.16	3194.40
			9/4/2024	111.12	3194.44
			12/10/2024	111.28	3194.28

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-25	151 to 171	3297.59	3/5/2019	103.34	3194.25
			6/18/2019	103.25	3194.34
			9/10/2019	103.30	3194.29
			12/18/2019	103.21	3194.38
			3/19/2020	103.31	3194.28
			6/24/2020	103.17	3194.42
			9/24/2020	103.23	3194.36
			12/9/2020	103.22	3194.37
			3/23/2021	103.22	3194.37
			6/16/2021	103.28	3194.31
			9/15/2021	103.22	3194.37
			12/1/2021	103.20	3194.39
			3/29/2022	103.21	3194.38
			6/29/2022	103.28	3194.31
			9/20/2022	103.28	3194.31
			12/1/2022	103.35	3194.24
			3/23/2023	103.36	3194.23
			6/20/2023	103.27	3194.32
			9/12/2023	103.25	3194.34
			11/30/2023	103.28	3194.31
			3/27/2024	103.32	3194.27
			6/5/2024	103.28	3194.31
			9/4/2024	103.29	3194.30
			12/10/2024	103.35	3194.24
ACW-26	103 to 128	3309.27	12/18/2019	110.43	3198.84
			3/19/2020	110.45	3198.82
			6/24/2020	110.38	3198.89
			9/24/2020	110.33	3198.94
			12/9/2020	110.33	3198.94
			3/23/2021	110.38	3198.89
			6/16/2021	110.43	3198.84
			9/15/2021	110.41	3198.86
			12/1/2021	110.34	3198.93
			3/29/2022	110.27	3199.00
			6/29/2022	110.24	3199.03
			9/20/2022	110.29	3198.98
			12/1/2022	110.40	3198.87
			3/23/2023	110.35	3198.92
			6/20/2023	110.31	3198.96
			9/12/2023	110.39	3198.88
			11/30/2023	110.37	3198.90
			3/27/2024	110.43	3198.84
			6/5/2024	110.42	3198.85
			9/4/2024	110.33	3198.94
			12/10/2024	110.41	3198.86

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-27	160 to 180	3309.22	12/18/2019	110.39	3198.83
			3/19/2020	110.41	3198.81
			6/24/2020	110.36	3198.86
			9/24/2020	110.31	3198.91
			12/9/2020	110.32	3198.90
			3/23/2021	110.36	3198.86
			6/16/2021	110.41	3198.81
			9/15/2021	110.38	3198.84
			12/1/2021	110.33	3198.89
			3/29/2022	110.25	3198.97
			6/29/2022	110.23	3198.99
			9/20/2022	110.22	3199.00
			12/1/2022	110.38	3198.84
			3/23/2023	110.34	3198.88
			6/20/2023	110.28	3198.94
			9/12/2023	110.38	3198.84
			11/30/2023	110.35	3198.87
			3/27/2024	110.42	3198.80
			6/5/2024	110.41	3198.81
			9/4/2024	110.31	3198.91
			12/10/2024	110.37	3198.85
ACW-28	102 to 127	3306.49	12/18/2019	109.05	3197.44
			3/19/2020	109.05	3197.44
			6/24/2020	109.00	3197.49
			9/24/2020	108.92	3197.57
			12/9/2020	108.93	3197.56
			3/23/2021	108.97	3197.52
			6/16/2021	109.04	3197.45
			9/15/2021	109.02	3197.47
			12/1/2021	108.94	3197.55
			3/29/2022	108.83	3197.66
			6/29/2022	108.90	3197.59
			9/20/2022	108.89	3197.60
			12/1/2022	109.03	3197.46
			3/23/2023	108.98	3197.51
			6/20/2023	108.94	3197.55
			9/12/2023	109.03	3197.46
			11/30/2023	109.00	3197.49
			3/27/2024	109.04	3197.45
			6/5/2024	109.04	3197.45
			9/4/2024	108.94	3197.55
			12/10/2024	109.02	3197.47

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-29	160 to 180	3306.35	12/18/2019	108.88	3197.47
			3/19/2020	108.89	3197.46
			6/24/2020	108.84	3197.51
			9/24/2020	108.77	3197.58
			12/9/2020	108.81	3197.54
			3/23/2021	108.81	3197.54
			6/16/2021	108.89	3197.46
			9/15/2021	108.84	3197.51
			12/1/2021	108.79	3197.56
			3/29/2022	108.69	3197.66
			6/29/2022	108.73	3197.62
			9/20/2022	108.75	3197.60
			12/1/2022	108.89	3197.46
			3/23/2023	108.83	3197.52
			6/20/2023	108.75	3197.60
			9/12/2023	108.85	3197.50
			11/30/2023	108.83	3197.52
			3/27/2024	108.91	3197.44
			6/5/2024	108.86	3197.49
			9/4/2024	108.81	3197.54
			12/10/2024	108.87	3197.48
ACW-30S	95 to120	3300.17	3/5/2019	104.51	3195.66
			6/18/2019	104.46	3195.71
			9/10/2019	104.49	3195.68
			12/18/2019	104.52	3195.65
			3/19/2020	104.51	3195.66
			6/24/2020	104.37	3195.80
			9/24/2020	104.44	3195.73
			12/9/2020	104.49	3195.68
			3/23/2021	104.41	3195.76
			6/16/2021	104.47	3195.70
			9/15/2021	104.44	3195.73
			12/1/2021	104.46	3195.71
			3/29/2022	104.40	3195.77
			6/29/2022	104.44	3195.73
			9/20/2022	104.44	3195.73
			12/1/2022	104.33	3195.84
			3/23/2023	104.44	3195.73
			6/20/2023	104.39	3195.78
			9/12/2023	104.40	3195.77
			11/30/2023	104.44	3195.73
			3/27/2024	104.52	3195.65
			6/5/2024	104.48	3195.69
			9/4/2024	104.49	3195.68
			12/10/2024	104.55	3195.62

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-30D	165 to 185	3300.15	3/5/2019	104.81	3195.34
			6/18/2019	104.77	3195.38
			9/10/2019	104.80	3195.35
			12/18/2019	104.76	3195.39
			3/19/2020	104.80	3195.35
			6/24/2020	104.66	3195.49
			9/24/2020	104.75	3195.40
			12/9/2020	104.77	3195.38
			3/23/2021	104.70	3195.45
			6/16/2021	104.77	3195.38
			9/15/2021	104.73	3195.42
			12/1/2021	104.76	3195.39
			3/29/2022	104.71	3195.44
			6/29/2022	104.74	3195.41
			9/20/2022	104.73	3195.42
			12/1/2022	104.61	3195.54
			3/23/2023	104.74	3195.41
			6/20/2023	104.68	3195.47
			9/12/2023	104.62	3195.53
			11/30/2023	104.72	3195.43
			3/27/2024	104.79	3195.36
			6/5/2024	104.76	3195.39
			9/4/2024	104.79	3195.36
			12/10/2024	104.85	3195.30
ACW-32S	95 to120	3299.60	3/5/2019	107.08	3192.52
			6/18/2019	106.99	3192.61
			9/10/2019	107.00	3192.60
			12/18/2019	107.04	3192.56
			3/19/2020	107.01	3192.59
			6/24/2020	106.87	3192.73
			9/24/2020	106.94	3192.66
			12/9/2020	106.88	3192.72
			3/23/2021	106.90	3192.70
			6/16/2021	106.98	3192.62
			9/15/2021	106.97	3192.63
			12/1/2021	107.00	3192.60
			3/29/2022	106.89	3192.71
			6/29/2022	106.92	3192.68
			9/20/2022	106.91	3192.69
			12/1/2022	106.92	3192.68
			3/23/2023	106.90	3192.70
			6/20/2023	106.82	3192.78
			9/12/2023	106.98	3192.62
			11/30/2023	106.92	3192.68
			3/27/2024	107.00	3192.60
			6/5/2024	106.80	3192.80
			9/4/2024	107.01	3192.59
			12/10/2024	107.00	3192.60

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ACW-32D	150 to 170	3299.61	3/5/2019	107.06	3192.55
			6/18/2019	106.96	3192.65
			9/10/2019	107.01	3192.60
			12/18/2019	106.97	3192.64
			3/19/2020	107.03	3192.58
			6/24/2020	106.85	3192.76
			9/24/2020	106.39	3193.22
			12/9/2020	106.85	3192.76
			3/23/2021	106.88	3192.73
			6/16/2021	106.96	3192.65
			9/15/2021	106.94	3192.67
			12/1/2021	106.97	3192.64
			3/29/2022	106.88	3192.73
			6/29/2022	106.89	3192.72
			9/20/2022	106.88	3192.73
			12/1/2022	106.91	3192.70
			3/23/2023	106.91	3192.70
			6/20/2023	106.81	3192.80
			9/12/2023	106.96	3192.65
			11/30/2023	106.93	3192.68
			3/27/2024	106.96	3192.65
			6/5/2024	106.95	3192.66
			9/4/2024	106.99	3192.62
			12/10/2024	107.01	3192.60
ENSR-01	123 to 148	3306.71	3/5/2019	107.73	3198.98
			6/18/2019	107.63	3199.08
			9/10/2019	107.67	3199.04
			12/18/2019	107.63	3199.08
			3/19/2020	107.73	3198.98
			6/24/2020	107.58	3199.13
			9/24/2020	107.56	3199.15
			12/9/2020	107.65	3199.06
			3/23/2021	107.65	3199.06
			6/16/2021	107.71	3199.00
			9/15/2021	107.64	3199.07
			12/1/2021	107.64	3199.07
			3/29/2022	107.42	3199.29
			6/29/2022	107.52	3199.19
			9/20/2022	107.51	3199.20
			12/1/2022	107.66	3199.05
			3/23/2023	107.61	3199.10
			6/20/2023	107.58	3199.13
			9/12/2023	107.69	3199.02
			11/30/2023	107.62	3199.09
			3/27/2024	107.68	3199.03
			6/5/2024	107.64	3199.07
			9/4/2024	107.79	3198.92
			12/10/2024	107.70	3199.01

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
ENSR-03	123 to 148	3305.05	3/5/2019	107.13	3197.92
			6/18/2019	107.04	3198.01
			9/10/2019	107.10	3197.95
			12/18/2019	107.00	3198.05
			3/19/2020	107.12	3197.93
			6/24/2020	106.98	3198.07
			9/24/2020	107.02	3198.03
			12/9/2020	107.09	3197.96
			3/23/2021	107.07	3197.98
			6/16/2021	107.14	3197.91
			9/15/2021	107.09	3197.96
			12/1/2021	107.02	3198.03
			3/29/2022	106.99	3198.06
			6/29/2022	107.00	3198.05
			9/20/2022	106.98	3198.07
			12/1/2022	106.99	3198.06
			3/23/2023	107.04	3198.01
			6/20/2023	107.03	3198.02
			9/12/2023	107.09	3197.96
			11/30/2023	107.09	3197.96
			3/27/2024	107.18	3197.87
			6/5/2024	107.13	3197.92
			9/4/2024	107.08	3197.97
			12/10/2024	107.16	3197.89
EPNG-01	120 to 160	3310.03	3/5/2019	109.16	3200.87
			6/18/2019	109.12	3200.91
			9/10/2019	109.27	3200.76
			12/18/2019	109.16	3200.87
			3/19/2020	109.24	3200.79
			6/24/2020	109.18	3200.85
			9/24/2020	109.19	3200.84
			12/9/2020	109.28	3200.75
			3/23/2021	109.25	3200.78
			6/16/2021	109.24	3200.79
			9/15/2021	109.22	3200.81
			12/1/2021	109.18	3200.85
			3/29/2022	109.04	3200.99
			6/29/2022	109.14	3200.89
			9/20/2022	109.11	3200.92
			12/1/2022	109.22	3200.81
			3/23/2023	109.19	3200.84
			6/20/2023	109.14	3200.89
			9/12/2023	109.23	3200.80
			11/30/2023	109.22	3200.81
			3/27/2024	109.27	3200.76
			6/5/2024	109.22	3200.81
			9/4/2024	109.17	3200.86
			12/10/2024	109.25	3200.78

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
PTP-01	110 to 130	3305.67	3/5/2019	107.72	3197.95
			6/18/2019	107.61	3198.06
			9/10/2019	107.68	3197.99
			12/18/2019	107.59	3198.08
			3/19/2020	107.71	3197.96
			6/24/2020	107.58	3198.09
			9/24/2020	107.59	3198.08
			12/9/2020	107.72	3197.95
			3/23/2021	107.65	3198.02
			6/16/2021	107.69	3197.98
			9/15/2021	107.66	3198.01
			12/1/2021	107.59	3198.08
			3/29/2022	107.56	3198.11
			6/29/2022	107.60	3198.07
			9/20/2022	107.61	3198.06
			12/1/2022	107.61	3198.06
			3/23/2023	107.65	3198.02
			6/20/2023	107.60	3198.07
			9/12/2023	107.71	3197.96
			11/30/2023	107.68	3197.99
			3/27/2024	107.72	3197.95
			6/5/2024	107.71	3197.96
			9/4/2024	107.70	3197.97
			12/10/2024	107.72	3197.95
RW-01	109 to179	3302.16	3/5/2019	105.80	3196.36
			6/18/2019	105.51	3196.65
			9/10/2019	105.55	3196.61
			12/18/2019	105.42	3196.74
			3/19/2020	105.55	3196.61
			6/24/2020	105.48	3196.68
			9/24/2020	105.50	3196.66
			12/9/2020	105.50	3196.66
			3/23/2021	105.52	3196.64
			6/16/2021	105.51	3196.65
			9/15/2021	105.50	3196.66
			12/1/2021	105.41	3196.75
			3/29/2022	105.41	3196.75
			6/29/2022	105.46	3196.70
			9/20/2022	105.48	3196.68
			12/1/2022	105.46	3196.70
			3/23/2023	105.44	3196.72
			6/20/2023	105.51	3196.65
			9/12/2023	105.50	3196.66
			11/30/2023	105.53	3196.63
			3/27/2024	105.59	3196.57
			6/5/2024	105.95	3196.21
			9/4/2024	105.55	3196.61
			12/10/2024	105.55	3196.61

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
RW-02	105 to 175	3303.71	3/5/2019	109.28	3194.43
			6/18/2019	109.25	3194.46
			9/10/2019	109.27	3194.44
			12/18/2019	109.19	3194.52
			3/19/2020	109.30	3194.41
			6/24/2020	109.15	3194.56
			9/24/2020	109.15	3194.56
			12/9/2020	109.08	3194.63
			3/23/2021	109.11	3194.60
			6/16/2021	109.28	3194.43
			9/15/2021	109.27	3194.44
			12/1/2021	109.21	3194.50
			3/29/2022	109.21	3194.50
			6/29/2022	109.25	3194.46
			9/20/2022	109.23	3194.48
			12/1/2022	109.24	3194.47
			3/23/2023	109.25	3194.46
			6/20/2023	109.20	3194.51
			9/12/2023	109.29	3194.42
			11/30/2023	109.31	3194.40
			3/27/2024	109.32	3194.39
			6/5/2024	109.22	3194.49
			9/4/2024	109.35	3194.36
			12/10/2024	109.34	3194.37
RW-03	136.7 to 176.7	3302.65	3/5/2019	106.29	3196.36
			6/18/2019	106.20	3196.45
			9/10/2019	106.25	3196.40
			12/18/2019	106.16	3196.49
			3/19/2020	106.28	3196.37
			6/24/2020	106.20	3196.45
			9/24/2020	106.22	3196.43
			12/9/2020	106.13	3196.52
			3/23/2021	106.22	3196.43
			6/16/2021	106.21	3196.44
			9/15/2021	106.21	3196.44
			12/1/2021	106.15	3196.50
			3/29/2022	106.14	3196.51
			6/29/2022	106.09	3196.56
			9/20/2022	106.19	3196.46
			12/1/2022	106.16	3196.49
			3/23/2023	106.13	3196.52
			6/20/2023	106.20	3196.45
			9/12/2023	106.24	3196.41
			11/30/2023	106.22	3196.43
			3/27/2024	106.28	3196.37
			6/5/2024	106.22	3196.43
			9/4/2024	106.35	3196.30
			12/10/2024	106.29	3196.36

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Table 2
Groundwater Surface Elevation Data
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	Screened Interval (ft bgl)	Top of Casing Elevation (ft-amsl)	Date Measured	Depth to Groundwater (ft-TOC)	Groundwater Elevation (ft-amsl)
RW-04	154 to 174	3303.26	3/5/2019	108.62	3194.64
			6/18/2019	108.50	3194.76
			9/10/2019	108.51	3194.75
			12/18/2019	108.46	3194.80
			3/19/2020	108.54	3194.72
			6/24/2020	108.46	3194.80
			9/24/2020	108.49	3194.77
			12/9/2020	108.49	3194.77
			3/23/2021	108.48	3194.78
			6/16/2021	108.49	3194.77
			9/15/2021	108.48	3194.78
			12/1/2021	108.45	3194.81
			3/29/2022	108.42	3194.84
			6/29/2022	108.46	3194.80
			9/20/2022	108.44	3194.82
			12/1/2022	108.52	3194.74
			3/23/2023	108.49	3194.77
			6/20/2023	108.48	3194.78
			9/12/2023	108.45	3194.81
			11/30/2023	108.53	3194.73
			3/27/2024	108.56	3194.70
			6/5/2024	108.50	3194.76
			9/4/2024	108.54	3194.72
			12/10/2024	108.55	3194.71

Notes:
TOC : Measured from top of casing
ft-amsl : feet above mean sea level
NM : No measurement taken
ft bgl: feet below ground level

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-01		3/5/1993	---	---	---	---	14,350	**8,505**	**4,045**	---
		9/15/1993	---	---	---	---	10,360	**6,016**	**2,915**	---
		11/10/1993	---	---	---	---	11,780	**7,340**	**3,683**	---
		4/20/1994	---	---	---	---	16,520	**8,430**	**5,400**	---
		10/27/1994	---	---	---	---	14,630	**8,440**	**3,700**	---
		5/16/1995	< 0.00500	< 0.01000	< 0.00500	< 0.01500	14,000	**8,200**	**4,100**	2,600
		6/27/1995	**0.00460**	**0.00460**	< 0.00250	**0.14000**	1,400	**8,400**	**6,700**	3,200
		8/29/1995	**0.00600**	< 0.01000	< 0.00500	< 0.01500	21,000	**12,000**	**3,300**	2,400
		2/6/1996	**0.00610**	**0.00300**	**0.00190**	**0.00280**	16,000	**9,700**	**5,200**	4,300
		2/6/1996	**0.00560**	**0.00270**	**0.00300**	< 0.00750	16,170	**9,440**	**5,770**	3,900
		5/8/1996	**0.00630**	**0.00203**	< 0.00100	< 0.00300	14,620	**8,190**	**4,130**	3,070
		8/13/1996	**0.00350**	**0.00120**	< 0.00100	< 0.00200	12,000	**7,400**	**3,500**	2,400
		11/5/1996	**0.00560**	**0.00250**	< 0.00100	**0.00130**	11,000	**7,200**	**3,700**	3,000
		5/6/1997	**0.01400**	**0.01500**	< 0.00500	**0.00570**	14,800	**8,800**	**5,200**	---
		11/21/1997	**0.00610**	**0.00480**	< 0.00050	**0.00240**	20,800	**12,000**	**7,800**	3,900
	D	11/21/1997	**0.00670**	**0.00570**	< 0.00050	**0.00210**	20,700	**12,000**	**7,500**	4,000
		5/12/1998	**0.00680**	**0.01100**	**0.00440**	**0.00340**	16,000	**9,600**	**5,200**	---
		10/20/1998	**0.00700**	**0.00400**	< 0.00200 Jm	< 0.00200 Jm	20,300	**12,900**	**6,100**	3,800
		5/11/1999	---	---	---	---	16,900	**8,500**	**5,400**	---
		10/19/1999	**0.00750**	**0.00360**	< 0.00200	< 0.00400	14,800	**7,800**	**5,500**	3,100
		5/9/2000	---	---	---	---	19,300	**11,300**	**7,000**	---
		10/26/2000	< 0.00200	< 0.00200	< 0.00200	**0.00830**	15,500	**9,900**	**5,500**	2,600
		5/1/2001	---	---	---	---	14,200	**7,640**	**5,300**	---
		10/22/2001	< 0.00200	< 0.00200	< 0.00200	**0.01100**	12,400	**6,580**	**4,400**	3,000
		4/29/2002	---	---	---	---	12,400	**6,730**	**4,800**	---
		11/3/2002	< 0.00500	< 0.00500	< 0.00500	< 0.01500	6,400	**4,000**	**1,900**	1,500
		11/4/2003	**0.00220**	< 0.00200	< 0.00200	< 0.00600	5,530	**1,510**	**2,480**	958
		11/9/2004	< 0.00100	**0.00170**	< 0.00100	< 0.00200	5,780	**5,140**	**2,570**	696
		12/12/2005	< 0.01000	< 0.01000	< 0.01000	< 0.03000	7,650	**3,500**	**1,770**	1,240
		3/5/2007	**0.00110**	< 0.00100	< 0.00100	< 0.00100	5,860	**5,340**	**2,780**	569
		11/12/2007	**0.00120**	< 0.00100	< 0.00100	< 0.00100	5,850	**4,500**	**2,040**	563
		11/17/2008	**0.00420**	**0.00180**	< 0.00100	< 0.00100	7,600	**4,150**	**2,010**	597

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-01 (cont'd)		2/24/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	8,540	3,980	1,480	577
		12/7/2010	**0.00036** J	**0.00026** J	< 0.00100	< 0.00100	4,900	4,620	1,770	676
		11/10/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	5,810	3,820	1,630	632
		11/8/2012	**0.00350**	**0.00062** J	< 0.00100	< 0.00300	8,820	5,600	2,790	1,200
		1/13/2014	**0.00300**	**0.00046** J	**0.00028** J	**0.00044** J	9,900	4,560	2,980	1,450
		1/6/2015	**0.00911**	**0.00166**	**0.00053** J	**0.00085** J	11,700	5,800	4,490	1,620
		12/3/2015	0.01370	**0.00264** J	**0.00121** J	**0.00213** J	17,700	11,600 H	6,720	3,620
		12/28/2016	**0.00753**	**0.00112**	**0.00056** J	**0.00061** J	14,000	6,970	4,570	2,510 B
		11/28/2017	0.11500	**0.00316**	**0.00079** J	**0.00115** J	16,200	16,000	6,020	3,340 B
		11/7/2018	0.11800	< **0.00500**	< 0.005	< 0.0100	21,700	8,700 H	8,450	3,710
		12/18/2019	0.16000	**0.0021**	**0.00060** J	**0.00091** J	17,000	9,300	6,100 B	4,000 B
		12/9/2020	0.26	**0.0022**	**0.00086** J	< 0.0016	20,000	10,000	6,200	3,900
		12/1/2021	0.18	**0.0015**	**0.00080** J	< 0.0016	18,000	11,000	6,100	2,800
		12/1/2022	0.16	**0.00160**	**0.00077** J	< **0.00160**	19,000	11,000	6,900	1,800
		9/12/2023	0.058 J+	< 0.00090	< 0.00050	< 0.0016	20,000	9,500	15,000	3,900
		9/4/2024	0.026	< 0.00090	< 0.00050	< 0.0060	17,000	11,000	8,600	4,700
ACW-02A		5/6/1997	0.14000	**0.10000**	< **0.05000**	< **0.10000**	26,800	17,000	11,000	
		10/20/1997	0.08900	**0.10000**	**0.01300**	**0.02600**	24,400	16,000	8,600	6,000
		5/11/1998	0.12000	**0.21000**	**0.02000**	**0.03300**	26,000	16,000	8,200	---
		10/19/1998	0.18000	**0.34000**	**0.03800**	**0.07200**	25,200	20,200	7,800	6,400
		5/12/1999	---	---	---	---	24,400	12,000	7,400	---
		10/18/1999	0.01700 PM	**0.04200** PM	**0.00810** P	**0.01400** PM	24,000	13,000	7,600	6,100
		5/8/2000	---	---	---	---	21,500	13,600	7,200	---
		10/26/2000	0.03500	**0.07800**	**0.01600**	**0.03200**	19,100	12,800	6,500	3,600
		5/2/2001	---	---	---	---	18,500	10,900	5,400	---
		10/22/2001	0.03900	**0.03400**	**0.03000**	**0.05700**	19,900	12,100	4,600	5,200
		4/30/2002	---	---	---	---	22,300	14,000	6,300	---
		11/3/2002	0.06100	**0.03200**	**0.03500**	**0.04700**	19,000	8,800	8,900	5,800
		11/4/2003	0.04560 P	**0.01790** P	**0.02480** P	**0.04130** P	18,530	9,050	4,740	4,160
	D	11/4/2003	0.04460 P	**0.01850** P	**0.02340** P	**0.03770** P	---	9,280	4,560	4,280
		11/9/2004	0.04790	**0.01710**	**0.01500**	**0.02840**	13,730	11,300	4,290	3,950
		12/12/2005	0.02290	**0.01220** J	< 0.02000	< 0.06000	23,500	13,200	5,520	5,570
		3/5/2007	0.04400	**0.01400**	**0.03000**	**0.04200**	18,650	11,900	5,760	4,270
		11/12/2007	0.12000	**0.00390**	**0.06600**	**0.06100**	19,420	11,900	5,950	4,570

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-02A (cont'd)		11/17/2008	0.01600	0.00240	0.00610	0.00870	21,100	12,700	7,400	4,040
		2/24/2010	0.03500	0.01100	0.01800	0.01750	17,600	9,640	6,700	3,780
		12/7/2010	0.03000	0.01400	0.01800	0.02130	27,500	10,600	6,280	3,660
		11/9/2011	0.01680	0.00110	0.00320	0.00350	15,300	9,420	4,560	3,070
		11/8/2012	0.00580	0.00060 J	0.00230	0.00200 J	11,400	6,920	4,160	2,740
		1/10/2014	0.00376	0.00074 J	0.00114	0.00116 J	12,600	7,380	3,390	2,890
		1/7/2015	0.00318	0.00100 J	0.00128	0.00097 J	11,800	5,680	3,660	2,540
		12/3/2015	0.00537	0.00308	0.00259	0.00311	10,600	6,750 H	3,140	2,430
		12/1/2016	0.00614 J	< 0.00396	< 0.00424	< 0.00732	10,100	6,390	2,560	2,260 B
		11/28/2017	0.00481	0.00191	0.00202	0.00212	11,100	7,030	3,210	2,590 B
		11/7/2018	0.00445	0.00119	< 0.00100	< 0.00200	16,000	7,290 H	3,660	3,050
	D	11/7/2018	0.00563	0.00157	0.00107	< 0.00200	16,500	6,620 H	3,540	2,920
		12/18/2019	0.00550	0.00160 J	0.00170 J	< 0.01000	12,000	6,100	740 B	2,600 B
		12/9/2020	0.0064	0.0017	0.0016	< 0.0016	13,000	7,000	3,300	2,700
		12/1/2021	0.0059	0.0013	0.00140	< 0.0016	12,000	6,400	3,000 ^2	2,600
		12/1/2022	0.0031	0.0012	0.0008 J	< 0.0016	11,000	6,200	2,600	270
		9/12/2023	0.0046	0.0013	0.0006 J	< 0.0016	12,000	6,300	2,900	2,600
		9/4/2024	0.0057	0.0014	0.0014	< 0.0060	13,000	8,600 J	4,100	2,900
ACW-03		5/6/1997	0.35000	0.02200	0.11000	0.04300	18,500	11,000	6,900	---
		10/20/1997	0.16000	0.00820	0.06900	0.03200	23,000	13,000	7,800	---
		5/11/1998	0.13000	0.02100	0.04100	0.01900	24,000	15,000	8,500	---
		10/19/1998	---	---	---	---	20,800	12,400	7,700	---
		5/12/1999	---	---	---	---	19,600	10,100	6,600	---
		10/19/1999	---	---	---	---	18,900	9,120	6,900	---
		5/8/2000	---	---	---	---	19,400	11,900	7,600	---
		10/26/2000	---	---	---	---	17,500	11,900	7,400	---
		5/1/2001	---	---	---	---	19,200	9,900	9,500	---
		10/23/2001	---	---	---	---	18,800	10,600	7,100	---
		4/30/2002	---	---	---	---	18,500	10,600	6,000	---
		11/3/2002	0.03700	< 0.01000	0.02800	< 0.03000	13,000	13,000	4,700	4,200
		11/3/2003	0.00770	0.00400	0.00830	0.00290 J	11,080	8,310	4,070	2,830
		11/9/2004	0.01370	0.00540	0.00700	0.00660	12,290	8,580	4,980	2,800
		5/23/2005	0.00550	0.00110 J	0.00360	0.00290 J	16,570	11,567	5,600	4,331
		12/14/2005	0.10300	0.03420	0.02370	0.01930	21,100	12,600	6,500	4,720

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-03 (cont'd)		3/5/2007	0.06100	0.03400	0.01700	0.01560	18,800	11,600	6,970	3,840
		11/12/2007	0.03400	0.01700	0.00350	0.00640	18,620	11,200	6,210	3,970
		11/18/2008	0.04100	0.03200	0.01600	0.01680	16,980	10,500	6,150	3,400
		2/24/2010	0.04600	0.02500	0.02100	0.02630	1,000	10,600	5,940	4,140
		12/7/2010	0.10000	0.13000	0.02000	0.03230	2,750	13,000	7,950	4,250
ACW-04		5/6/1997	0.02900	0.01200	< 0.00500	< 0.01000	48,500	25,000	21,000	---
		10/20/1997	0.17000	0.15000	< 0.00500	0.11000	172,000	94,000	58,000	33,000
		5/12/1998	0.19000	0.17000	0.06000	0.10000	160,000	99,000	74,000	---
		10/19/1998	0.19000	0.14000	0.04900	0.09000	121,000	83,100	56,000	37,000
		5/12/1999	---	---	---	---	131,000	84,800	45,000	---
		10/19/1999	0.24000	0.16000	0.04400	0.08100	95,000	46,300	44,000	42,000
		5/8/2000	---	---	---	---	106,000	72,300	47,000	---
		10/26/2000	0.06300	0.01700	0.04100	0.19000	25,600	16,300	10,000	3,600
		5/2/2001	---	---	---	---	29,600	17,400	12,000	---
		10/22/2001	0.01200	0.00300	0.03200	0.10000	35,300	21,400	13,000	7,300
		4/30/2002	---	---	---	---	35,600	24,500	15,000	---
		11/3/2002	0.08400	0.01700	0.02700	0.04500	33,000	24,000	11,000	8,400
		11/4/2003	0.04480	0.00550	0.01500	0.02650	22,400	20,900	14,200	7,300
		11/9/2004	0.18900 R	0.04290	0.06980	0.10100	54,400	19,700	10,800	22,000
		12/12/2005	0.09660	0.05570	0.07610	0.13600	25,100	13,900	5,520	5,490
		3/5/2007	0.11000	0.00640	0.06100	0.09700	21,100	14,200	8,600	5,030
	D	3/5/2007	0.08800	0.00640	0.04700	0.07400		13,200	7,730	4,750
		11/12/2007	0.07100	0.01200	0.03400	0.06000	30,700	15,000	8,670	5,420
		11/17/2008	0.01900	0.00250	0.01200	0.02110	25,200	12,200	8,120	3,870
		2/24/2010	0.01800	0.00240	0.00670	0.01130	69,700	16,500	9,730	6,160
		12/7/2010	0.08600	0.00790	0.02400	0.04000	27,000	36,400	28,000	12,500
		11/10/2011	0.01410	0.00170	0.00770	0.01310	35,000	21,300	14,200	7,710
		11/8/2012	0.19100	0.01670	0.06150	0.09780	98,500	84,800	66,400	29,800
		1/10/2014	0.09910	0.00276	0.03480	0.05400	123,000	88,600	58,000	31,400
		1/7/2015	0.02900	0.00155	0.01660	0.01040	136,000	83,300	63,000	36,200
		12/3/2015	0.03240	0.00114	0.00550	0.00878	115,000	111,000	56,200	39,700
		12/1/2016	0.02570	0.00096 J	0.00495	0.00810	131,000	124,000	64,800	36,900 B

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-04 (cont'd)		11/28/2017	0.02680	**0.00090** J	**0.00395**	**0.00600**	32,800	138,000	67,000	36,400 B
		11/7/2018	0.02360	< 0.00100	**0.00369**	**0.00538**	173,000	92,800 H	69,600	28,900
		12/18/2019	0.03000	**0.00069** J	**0.00360**	**0.00520**	130,000	77,000	72,000 B	27,000 B
		12/9/2020	0.028	**0.00070** J	**0.0037**	**0.0056** J	160,000	110,000 J	58,000	38,000
		12/1/2021	0.025	**0.00065** J	**0.0027**	**0.0043** J	130,000	120,000	58,000 ^2	23,000
		12/1/2022	0.030	**0.00072** J	**0.0041**	**0.0055** J	170,000	100,000 E	61,000	45,000
		9/12/2023	0.027	< 0.00090	**0.0023**	**0.0030** J	140,000	95,000	64,000	32,000
		9/4/2024	0.018	< 0.00090	**0.0022**	< 0.0060	110,000	99,000	77,000	36,000
ACW-05		3/10/1993	---	---	---	---	10,400	6,110	2,544	---
		6/17/1993	---	---	---	---	4,480	323	1,228	---
		9/16/1993	---	---	---	---	4,140	3,064	650	---
		11/9/1993	---	---	---	---	4,390	3,202	720	---
		4/21/1994	---	---	---	---	4,131	3,300	800	---
		10/28/1994	---	---	---	---	4,500	3,112	550	---
		1/31/1995	---	---	---	---	4,050	2,848	499	---
		5/16/1995	< 0.00500	< 0.01000	< 0.00500	< 0.01500	3,900	2,800	530	540
		6/27/1995	< 0.00250	< 0.00250	< 0.00250	< 0.00500	3,800	2,800	460	530
		8/30/1995	< 0.00500	< 0.01000	< 0.00500	< 0.01500	3,900	2,700	510	550
		2/6/1996	< 0.00100	< 0.00100	< 0.00100	< 0.00200	3,800	2,200	510	580
		2/6/1996	< 0.00250	< 0.00250	< 0.00250	< 0.00750	3,090	2,745	506	580
		5/8/1996	< 0.00100	< 0.00100	< 0.00100	< 0.00300	3,650	2,460	519	506
		8/13/1996	< 0.00100	**0.00120**	< 0.00100	< 0.00200	3,400	2,500	500	520
		11/6/1996	**0.00110**	**0.00140**	**0.00120**	< 0.00200	3,300	2,300	500	520
		5/7/1997	**0.00084**	**0.00120**	**0.00093**	< 0.00100	3,020	2,000	430	---
		10/22/1997	**0.00090**	**0.00160**	**0.00080**	**0.00190**	3,160	2,000	470	480
		5/13/1998	**0.00079**	**0.00150**	* **0.00077**	* **0.01200**	3,100	2,800	570	---
		10/21/1998	---	---	---	---	2,930	1,910	440	---
		5/13/1999	---	---	---	---	3,190	1,960	450	---
		10/21/1999	< 0.00200	**0.00270**	< 0.00200	< 0.00400	3,250	1,890	1,000	540
		5/10/2000	---	---	---	---	3,180	1,960	750	---
		11/2/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	2,650	1,920	860	450
		5/6/2001	---	---	---	---	3,030	1,920	540	---
		10/24/2001	---	---	---	---	3,120	1,860	590	---
		4/30/2002	---	---	---	---	3,110	1,900	570	---

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-05 (cont'd)		11/6/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	3,000	2,200	560	490
		11/5/2003	**0.00120** J	**0.00110** J	**0.00130** J	< 0.00600	3,000	1,040	613	421
		11/12/2004	**0.00042** J	< 0.00100	**0.00051** J	< 0.00200	3,450	2,540	708	411
		12/13/2005	< 0.00200	< 0.00200	**0.00110** J	< 0.00600	3,820	2,640	771	394
	D	12/13/2005	< 0.00200	< 0.00200	**0.00120** J	< 0.00600	---	2,510	675	388
		3/7/2007	< 0.00100	< 0.00100	< 0.00100	**0.00120**	4,170	3,440	978	376
		11/14/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	4,260	3,240	1,070	422
		11/18/2008	< 0.00100	< 0.00100	**0.00100**	< 0.00100	4,930	3,530	1,340	432
		2/18/2010	**0.00000**	---	---	---	5,430	3,120	1,070	381
		12/7/2010	**0.00014** J	< 0.00100	< 0.00100	< 0.00100	5,632	6,200	1,400	542
		11/9/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	4,860	3,400	1,070	399
		11/7/2012	**0.00100**	< 0.00100	< 0.00100	< 0.00300	6,360	4,400	1,710	741
		1/8/2014	**0.00180**	< 0.00030	< 0.00020	**0.00029** J	7,320	4,730	2,080	894
		12/30/2014	**0.00076** J	< 0.00030	< 0.00020	< 0.00023	6,190	4,470	1,930	741
		12/1/2015	**0.00287**	**0.00171**	**0.00021** J	< 0.00037	7,340	4,890	2,270	1,130
		12/2/2016	**0.00133**	< 0.00020	< 0.00021	< 0.00037	6,250	4,220	2,240	760 B
		11/28/2017	**0.00470**	**0.00030** J	**0.00028** J	< 0.00037 U	1,810	5,360	2,660	1,260 B
		11/7/2018	**0.00508**	< 0.00100	< 0.00100	< 0.00200	10,500	5,260 H	2,480	1,360
		12/18/2019	**0.00590**	**0.00073** J	**0.00032** J	**0.00044** J	7,900	4,800	660 B	1,200 B
		12/9/2020	**0.0098**	**0.00150**	**0.00063** J	< 0.0016	9,600	6,200	2,500	1,300
		12/1/2021	**0.0097**	**0.0016**	**0.00050** J	< 0.0016	8,300	5,400	2,400 ^2	1,200
		12/1/2022	**0.0079**	**0.00140**	< **0.00050**	< 0.0016	8,800	6,000	2,500	150 J
		9/12/2023	**0.0063**	**0.00095** J	< 0.00050	< 0.0016	< 10	1,000	2,300	1,200
		9/4/2024	**0.0063**	< 0.00090	< 0.00050	< 0.0060	7,600	5,600	3,400	1,500
ACW-06		6/18/1993	---	---	---	---	8,220	5,027	2,108	---
		9/16/1993	---	---	---	---	11,130	6,656	2,737	---
		11/8/1993	---	---	---	---	8,540	5,646	2,154	---
		4/21/1994	---	---	---	---	11,080	6,930	3,600	---
		10/28/1994	---	---	---	---	11,988	6,910	2,100	---
		1/31/1995	---	---	---	---	11,530	6,755	2,873	---
		5/16/1995	< 0.00500	< 0.01000	< 0.00500	< 0.01500	10,000	6,400	2,800	2,200
		6/27/1995	**0.01400**	< 0.00250	< 0.00250	< 0.00500	10,000	8,600	3,500	3,000
		8/29/1995	**0.00700**	< 0.01000	< 0.00500	< 0.01500	12,000	7,100	3,000	2,500
		2/6/1996	**0.00660**	**0.00320**	< 0.00100	< 0.00200	11,000	6,600	2,600	2,700

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-06 (cont'd)		2/6/1996	< 0.00250	< 0.00250	< 0.00250	< 0.00750	10,320	5,630	3,180	2,400
		5/8/1996	**0.00408**	**0.00158**	< 0.00100	< 0.00300	10,620	6,460	2,880	2,380
		8/14/1996	**0.00420**	**0.00260**	< 0.00200	< 0.00200	11,000	7,100	2,900	2,900
		11/6/1996	**0.00450**	**0.00150**	< 0.00100	< 0.00200	12,000	7,700	3,400	2,800
		11/6/1996	**0.00460**	**0.00150**	< 0.00100	< 0.00200	12,000	7,700	3,600	2,400
		5/8/1997	**0.00820**	**0.00280**	**0.00260**	**0.00270**	8,450	5,500	2,300	---
		10/22/1997	**0.01000**	**0.00380**	**0.00140**	**0.00120**	10,200	6,500	2,900	2,200
	D	10/22/1997	**0.00950**	**0.00310**	**0.00120**	**0.00120**	10,700	6,200	2,900	2,200
		5/13/1998	0.01500	**0.01200**	< 0.00050	**0.00380**	12,000	10,000	3,300	---
		10/21/1998	0.01100	**0.00600**	**0.00300**	**0.00300**	11,600	6,530	3,000	2,640
		5/13/1999	---	---	---	---	11,200	6,620	2,900	---
		10/21/1999	< 0.02000	< 0.02000	< 0.02000	< 0.04000	11,500	6,170	2,800	2,900
		5/10/2000	---	---	---	---	10,300	6,290	3,600	---
		11/2/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	8,520	4,350	3,100	710
		5/6/2001	---	---	---	---	9,020	5,240	2,600	---
		10/24/2001	**0.00560**	< **0.00200**	< **0.00200**	**0.01800**	8,350	4,730	2,400	1,900
		4/29/2002	---	---	---	---	8,910	4,800	2,400	---
		11/5/2002	0.01800	< 0.01000	< 0.01000	< 0.03000	7,300	4,400	1,800	2,100
		11/5/2003	**0.00890**	**0.00290**	**0.00220**	**0.00300** J	6,960	2,180	1,490	1,440
		11/12/2004	< 0.01000	< 0.01000	< 0.01000	< 0.02000	5,970	3,430	1,060	1,190
	D	11/12/2004	< 0.01000	< 0.01000	< 0.01000	< 0.02000	---	3,490	1,230	1,260
		12/13/2005	< 0.02000	< 0.02000	< 0.02000	< 0.06000	5,910	3,340	1,160	1,420
		3/7/2007	**0.00700**	< 0.00100	**0.00150**	**0.00200**	4,860	3,160	1,120	1,140
		11/13/2007	**0.00760**	< 0.00100	**0.00210**	**0.00220**	4,530	3,060	1,080	1,130
		11/18/2008	**0.00450**	< 0.00100	**0.00140**	**0.00140**	5,300	2,950	1,380	1,070
		2/18/2010	**0.00410**	< 0.00100	< **0.00100**	< 0.00100	4,880	2,560	1,090	933
		12/6/2010	**0.00370**	**0.00059** J	**0.00033** J	< 0.00100	4,863	2,780	1,500	1,100
		11/9/2011	**0.00220**	**0.00040** J	**0.00032** J	< 0.00300	4,190	2,490	864	801
		11/7/2012	**0.00076** J	< 0.00100	< 0.00100	< 0.00300	4,920	2,860	1,100	1,080
		1/9/2014	**0.00059** J	< 0.00030	< 0.00020	< 0.00023	5,060	2,820	1,130	1,090
		12/30/2014	< 0.00030	< 0.00030	< 0.00020	< 0.00023	3,730	563	1,130	837
		12/1/2015	**0.00019** J	< 0.00020	< 0.00021	< 0.00037	4,930	2,960 H	1,370	1,020

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-06 (cont'd)		12/2/2016	**0.00019** J	< 0.00020	< 0.00021	< 0.00037	4,270	**2,470**	**1,000**	923 B
		11/28/2017	**0.00032** J	< 0.00020	< 0.00021	< 0.00037	5,760	**3,460**	**2,140**	1,230
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	7,680	792 H	**2,280**	1,340
		12/18/2019	**0.00025** J	< 0.00100	< 0.00100	< 0.00200	6,200	**3,000** H	**1,200** B	1,400 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	6,800	**3,500**	**1,600**	1,300
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	6,100	**3,300**	**1,700** ^2	1,300
		12/1/2022	0.00033 J	< 0.00041	< 0.00050	< 0.0016	6,400	**4,700**	**1,800**	170 J
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	6,700	**3,200**	**1,900**	1,300
		9/4/2024	**0.00039** J	< 0.00090	< 0.00050	< 0.0060	6,200	**3,300**	**2,300**	1,500
ACW-07		5/7/1997	**0.00730**	**0.00250**	**0.00310**	**0.00170**	13,200	**8,100**	**3,600**	---
		10/22/1997	**0.00640**	**0.00340**	**0.00300**	**0.00300**	13,800	**7,500**	**4,400**	2,500
		5/13/1998	**0.00700**	**0.00320**	**0.00210**	* **0.00170**	14,000	**11,000**	**4,300**	---
		10/21/1998	**0.00800**	**0.00300**	* **0.00200**	< 0.00200	14,000	**8,290**	**4,400**	3,100
		5/12/1999	---	---	---	---	14,300	**7,420**	**4,900**	---
		10/21/1999	**0.00720**	**0.00530**	**0.00240**	< 0.00400	14,700	**8,010**	**4,800**	3,300
		5/10/2000	---	---	---	---	14,900	**8,900**	**7,100**	---
		11/2/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	12,500	**8,400**	**5,100**	710
		5/6/2001	---	---	---	---	16,400	**8,980**	**6,800**	---
	D	5/6/2001	---	---	---	---	16,300	**9,640**	**6,500**	---
		10/24/2001	**0.00740**	< **0.00200**	< 0.00200	**0.00240**	17,400	**9,180**	**8,500**	3,600
		4/30/2002	---	---	---	---	17,400	**9,120**	**6,400**	---
		11/5/2002	**0.01200**	**0.00110**	**0.00240**	< 0.00300	14,000	**8,900**	**5,200**	3,600
		11/5/2003	**0.01930**	**0.00130** J	**0.00470**	**0.00240** J	13,750	**2,050**	**5,650**	3,180
		11/12/2004	**0.01400**	**0.00054** J	**0.00320**	**0.00130**	14,290	**10,400**	**5,610**	3,140
		5/24/2005	**0.01780**	< 0.00200	**0.00370**	**0.00310** J	16,460	**11,667**	**5,515**	3,707
		12/13/2005	**0.01640**	< 0.01000	**0.00510** J	< 0.03000	16,690	**9,900**	**4,940**	3,600
		5/9/2006	**0.01810**	< 0.00200	**0.00470**	< 0.00600	16,220	**5,300**	**6,030**	2,720
		8/23/2006	**0.01460**	< 0.00200	**0.00430**	< 0.00600	16,020	< **9,940** R H	**5,890**	3,170
		3/7/2007	**0.01700**	< 0.00100	**0.00610**	**0.00150**	15,580	**9,980**	**5,810**	3,450
		11/13/2007	**0.02100**	< 0.00100	**0.00700**	**0.00130**	15,080	**9,620**	**5,660**	3,410
		11/18/2008	**0.01600**	< 0.00100	**0.00790**	**0.00100**	15,390	**9,380**	**5,820**	3,180
		2/19/2010	**0.00470**	< 0.00100	**0.00760**	**0.00110**	1,570	**7,720**	**5,090**	2,350
		12/6/2010	**0.01500**	**0.01100**	**0.00028** J	< 0.00100	1,632	**9,610**	**6,470**	3,230
		12/6/2010	**0.01500**	**0.01100**	**0.00029** J	< 0.00100	---	**10,300**	**7,190**	3,210

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-07 (cont'd)		11/7/2012	0.03630	< 0.00100	0.01420	< 0.00300	13,900	8,580	4,990	2,070
		11/7/2012	0.03630	< 0.00100	0.01420	< 0.00300	13,900	8,580	4,990	2,070
		1/9/2014	0.03130	< 0.00030	0.00574	0.00030 J	14,800	8,490	4,470	3,220
		1/9/2015	< 0.00030	< 0.00030	0.00728	0.00053 J	10,000	4,940	3,420	2,380
		12/1/2015	0.00549	0.00081 J	0.01560	0.00129 J	10,700	6,430 H	3,490	2,390
		12/2/2016	< 0.00018	< 0.00020	0.01240	< 0.00037	10,500	6,140	3,290	2,160
		11/28/2017	< 0.00018	< 0.00020	0.00036 J	< 0.00037	8,940	5,940	2,810	1,840
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	13,100	5,820 H	7,760	2,250
		12/18/2019	< 0.00100	< 0.00100	0.00300	< 0.00200	10,000	5,200	760 B	2,300 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	9,800	5,600	2,500	1,900
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	8,200	4,300	2,200 ^2	1,700
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	8,100	6,100	2,200	2,200
		9/12/2023	< 0.00050	< 0.00090	0.00180	< 0.0016	8,500	4,200	2,400	1,600
		9/4/2024	0.029	0.0081	0.011	0.0064 J	8,000	4,900	2,800	1,900
ACW-08		5/6/1997	0.09900	0.01000	0.00410	0.00390	89,200	50,000	29,000	---
		11/21/1997	0.03600	0.00390	0.00200	0.01400	49,200	29,000	17,000	9,300
		5/12/1998	0.03700	0.00450	0.00290	0.00160	48,000	28,000	34,000	---
		10/20/1998	0.14000	0.01300	0.00600	0.00600	44,200	28,700	24,000	11,000
		5/11/1999	---	---	---	---	52,500	29,800	21,000	---
		10/19/1999	0.03200	0.00620	0.00370	< 0.00400	36,400	17,700	15,000	12,000
		5/9/2000	---	---	---	---	62,900	41,800	32,000	---
		10/26/2000	0.01500	< 0.00200	0.00210	0.01000	36,300	26,000	17,000	3,600
		5/1/2001	---	---	---	---	51,300	28,200	25,000	---
		10/23/2001	0.04100	0.00500	0.00310	< 0.00200	33,400	20,000	11,000	11,000
		4/29/2002	---	---	---	---	69,400	53,400	30,000	---
		11/4/2002	0.01000	0.00150	0.00120	< 0.00300	11,000	6,200	3,900	3,000
		11/3/2003	0.00700	< 0.00200	< 0.00200	< 0.00600	12,330	8,670	5,350	2,850
		11/9/2004	0.02530	0.00210	0.00160	0.00120 J	16,200	10,100	6,280	2,420
		5/23/2005	0.08000	0.01300	< 0.00500	< 0.00500	61,480	---	---	---
		5/23/2005	0.08190	0.01300	0.00400	0.00600	61,480	41,700	22,100	14,600
		12/14/2005	0.09840	0.01110	0.01940	0.00820	50,100	29,000	14,200	12,400
		3/6/2007	0.10000	0.11000	0.87000	0.10200	32,800	19,400	11,300	7,080
		11/12/2007	0.08600	0.03600	0.20000	0.06500	34,500	21,700	12,700	7,610
	D	11/12/2007	0.08500	0.03600	0.20000	0.06300	---	22,000	12,700	7,580

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-08 (cont'd)		11/18/2008	0.06700	**0.02800**	**0.29000**	**0.06500**	32,700	**21,100**	**16,300**	6,510
		2/24/2010	0.06600	**0.02600**	**0.18000**	**0.05470**	24,700	**28,600**	**17,400**	9,890
		12/7/2010	0.08200	**0.03700**	**0.53000**	**0.11700**	28,000	**20,500**	**14,400**	7,850
		11/10/2011	0.05520	**0.01540**	**0.23900**	**0.04320**	47,300	**30,700**	**17,100**	9,300
ACW-09		6/17/1993	---	---	---	---	5,900	**4,435**	**2,288**	---
		9/14/1993	---	---	---	---	3,100	**2,119**	**915**	---
		11/9/1993	---	---	---	---	3,670	**2,300**	**1,184**	---
		4/22/1994	---	---	---	---	3,900	**2,508**	**1,150**	---
		12/1/1994	---	---	---	---	5,450	**3,510**	**1,650**	---
		1/31/1995	---	---	---	---	7,110	**4,240**	**2,083**	---
		5/17/1995	< 0.00500	**0.02200**	< 0.00500	< 0.01500	11,000	**6,800**	**5,600**	910
		6/28/1995	< 0.00250	< 0.00250	< 0.00250	< 0.00500	9,100	**6,200**	**3,500**	1,000
		8/30/1995	< 0.00500	< 0.01000	< 0.00500	< 0.01500	7,150	**4,500**	**2,500**	880
		2/7/1996	**0.00180**	< 0.00100	< 0.00100	< 0.00200	7,500	**5,400**	**2,400**	810
		2/7/1996	< 0.00250	< 0.00250	< 0.00250	< 0.00750	7,450	**4,620**	**2,300**	810
		5/8/1996	< 0.00100	< 0.00100	< 0.00100	< 0.00300	7,530	**4,210**	**2,210**	687
		8/14/1996	**0.00140**	**0.00160**	< 0.00100	< 0.00200	4,400	**3,600**	**1,200**	730
		11/7/1996	**0.00230**	**0.00220**	< 0.00100	< 0.00200	4,200	**3,100**	**1,200**	510
		2/19/1997	**0.00130**	**0.00400**	**0.01000**	**0.00420**	4,110	**2,500**	**1,260**	---
		5/8/1997	**0.00260**	**0.00260**	**0.00140**	**0.00170**	2,800	**2,100**	**830**	---
		10/23/1997	< 0.00050	< 0.00050	< 0.00050	< 0.00100	3,380	**1,600**	**880**	320
		5/13/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	5,100	**4,500**	**1,600**	---
		10/21/1998	**0.00600**	< 0.00200	< 0.00200	< 0.00200	13,200	**8,980**	**4,100**	1,400
		5/13/1999	---	---	---	---	11,100	**6,400**	**3,400**	---
		10/22/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	8,580	**5,950**	**2,900**	990
		5/12/2000	---	---	---	---	7,830	**4,810**	**2,500**	---
	D	5/12/2000	---	---	---	---	7,960	**4,930**	**3,100**	---
		11/3/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	7,630	**5,860**	**3,000**	670
	D	11/3/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	7,620	**11,200**	**2,900**	630
		5/6/2001	---	---	---	---	8,300	**4,640**	**2,800**	---
		10/25/2001	< 0.00200	< 0.00200	< 0.00200	**0.00200**	7,820	**4,390**	**4,000**	1,200
	D	10/25/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	7,700	**4,400**	**3,700**	1,300

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-09 (cont'd)		5/1/2002	---	---	---	---	8,160	**3,800**	**2,900**	---
	D	5/1/2002	---	---	---	---	7,070	**3,760**	**2,500**	---
		11/6/2002	**0.00110**	< 0.00100	< 0.00100	< 0.00300	7,800	**3,700**	**1,800**	1,400
		11/6/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	5,280	**3,830**	**1,820**	1,430
		11/10/2004	**0.00082** J	< 0.00100	< 0.00100	< 0.00200	8,540	**4,680**	**2,150**	1,220
		12/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	5,970	**3,100**	**1,350**	941
		3/7/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	6,060	**4,420**	**2,210**	935
		11/15/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	5,900	**2,870**	**1,290**	796
		11/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	5,540	**2,990**	**1,480**	751
		2/24/2010	**0.00100**	< 0.00100	< 0.00100	< 0.00100	14,300	**8,340**	**4,190**	2,800
		12/9/2010	**0.00017** J	**0.00029** J	< 0.00100	< 0.00100	15,730	**48,000**	**3,050**	1,710
		11/9/2011	**0.00032** J	< 0.00100	< 0.00100	< 0.00300	14,600	**8,880**	**4,110**	2,660
		11/7/2012	**0.00750**	< 0.00100	< 0.00100	< 0.00300	16,100	**11,200**	**5,480**	3,120
		1/13/2014	**0.00386**	< 0.00030	< 0.00020	< 0.00023	18,600	**8,480**	**5,960**	3,300
		1/5/2015	< 0.00030	< 0.00030	< 0.00020	< 0.00023	18,500	**10,300**	**6,310**	3,040
		12/1/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	21,400	**15,900** H	**9,130** F1	4,130
		12/2/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	20,200	**13,000**	**7,270**	3,820 B
		11/28/2017	< 0.00018	< 0.00020	< 0.00021	< 0.00037	26,000	**20,000**	**10,600**	3,090 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	34,000	**22,700** H	**9,940**	3,460
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	27,000	**24,000**	**12,000** B	3,300 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	30,000	**26,000**	**49,000**	3,200
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	28,000	**32,000**	**10,000** ^2	3,000
		12/1/2022	**0.00026** J	< 0.00041	< 0.00050	< 0.0016	28,000	**19,000**	**11,000**	440
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	30,000	**20,000**	**11,000** J+	2,700
		9/4/2024	**0.00039** J	< 0.00090	< 0.00050	< 0.0060	21,000	**26,000**	**13,000**	2,900
ACW-10		6/18/1993	---	---	---	---	1,061	701	**1,027**	---
		9/14/1993	---	---	---	---	1,349	**1,190**	**421**	---
		11/9/1993	---	---	---	---	1,800	**1,238**	**420**	---
		4/22/1994	---	---	---	---	2,440	**1,638**	**700**	---
		10/28/1994	---	---	---	---	2,592	**1,694**	**600**	---
		2/1/1995	---	---	---	---	2,660	**1,426**	**619**	---
		5/17/1995	---	---	---	---	3,900	**2,300**	**1,600**	170
		6/28/1995	< 0.00250	< 0.00250	< 0.00250	< 0.00500	3,100	**2,300**	**1,900**	160
		8/30/1995	< 0.00500	< 0.01000	< 0.00500	< 0.01500	3,100	**2,200**	**790**	150

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-10 (cont'd)		2/7/1996	**0.00390**	< 0.00100	< 0.00100	< 0.00200	3,200	**2,300**	**850**	190
		2/7/1996	**0.00430**	< 0.00250	< 0.00250	< 0.00750	3,100	**2,100**	**829**	190
		5/8/1996	**0.00122**	< 0.00100	< 0.00100	< 0.00300	2,322	**1,290**	**603**	127
		8/14/1996	< 0.00100	< 0.00100	< 0.00100	< 0.00200	2,400	**1,900**	**560**	140
		11/7/1996	**0.00120**	**0.00150**	< 0.00100	< 0.00200	250	**1,800**	**610**	150
		5/8/1997	**0.00130**	**0.00100**	< 0.00050	< 0.00100	1,880	**1,500**	**480**	---
		10/23/1997	**0.00114**	**0.00117**	< 0.00050	**0.00058**	2,870	**1,500**	**670**	140
		5/14/1998	---	---	---	---	2,400	**1,200**	**540**	---
		10/22/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	2,900	**1,960**	**800**	180
		5/13/1999	---	---	---	---	2,810	**1,660**	**730**	---
		10/22/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	2,470	**1,720**	**660**	170
		5/11/2000	---	---	---	---	3,620	**2,430**	**1,400**	---
		11/6/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	3,100	**2,840**	**980**	330
		5/6/2001	---	---	---	---	3,660	**2,360**	**1,000**	---
		10/25/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	3,350	**2,270**	**930**	180
		5/1/2002	---	---	---	---	3,440	**1,970**	**1,000**	---
		11/8/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	2,600	**2,000**	**740**	270
		11/6/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	2,580	**2,160**	**795**	182
		11/11/2004	**0.00051** J	< 0.00100	< 0.00100	< 0.00200	2,670	**1,990**	**720**	176
		12/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	3,000	**1,640**	**638**	162
		3/8/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	2,860	**2,240**	**793**	202
		11/14/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	2,810	**2,070**	**802**	187
		11/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	2,890	**2,090**	**767**	175
		2/19/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	5,780	**2,360**	**1,020**	180
	D	2/19/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	**2,380**	**1,030**	176
		12/8/2010	**0.00089** J	< 0.00100	< 0.00100	< 0.00100	6,517	**5,400**	**1,200**	264
		11/9/2011	**0.00039** J	< 0.00100	< 0.00100	< 0.00300	4,700	**3,250**	**1,270**	215
		11/6/2012	**0.00180**	< 0.00100	< 0.00100	< 0.00300	4,760	**3,370**	**1,490**	331
		1/10/2014	**0.00298**	< 0.00030	< 0.00020	< 0.00023	6,800	**4,290**	**2,020**	490
		1/5/2015	< 0.00030	< 0.00030	< 0.00020	< 0.00023	4,020	**2,770**	**1,610**	268
		12/1/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	5,050	**4,200** H	**1,730**	294
		12/1/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	5,350	**4,260**	**1,760**	293

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-10 (cont'd)		11/28/2017	**0.00025** J	< 0.00020	< 0.00021	< 0.00020	4,640	2,320	2,350	303 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	8,690	4,640 H	3,300	374
		12/18/2019	**0.00290**	< 0.00100	< 0.00100	< 0.00200	7,600	6,400	1,800 B F1	410 B
		12/9/2020	**0.0025**	< 0.00041	< 0.00050	< 0.0016	8,500	7,100	2,500	390
		12/1/2021	**0.0051**	< 0.00041	< 0.00050	< 0.0016	9,800	5,600	3,000 ^2	580
		12/1/2022	0	< 0.00041	< 0.00050	< 0.0016	18,000	13,000	6,000	240
		9/12/2023	0.024	< 0.00090	< 0.00050	< 0.0016	21,000	13,000	16,000	2,000
		9/4/2024	0.019	< 0.00090	< 0.00050	< 0.0060	15,000	17,000	9,200	2,300
ACW-11		6/19/1993	---	---	---	---	25,000	18,670	9,737	---
		9/15/1993	---	---	---	---	10,570	6,820	3,437	---
		11/9/1993	---	---	---	---	10,160	6,592	3,620	---
		4/21/1994	---	---	---	---	16,290	9,520	6,400	---
		10/27/1994	---	---	---	---	20,060	13,280	6,200	---
		10/27/1994	---	---	---	---	20,550	12,900	6,600	---
		2/1/1995	---	---	---	---	32,200	19,880	11,582	---
		5/17/1995	< 0.00500	< 0.01000	< 0.00500	< 0.01500	12,000	7,200	4,400	1,200
		6/27/1995	**0.00510**	< 0.00250	< 0.00250	< 0.00500	11,000	7,000	6,500	980
		8/29/1995	**0.00800**	< 0.01000	< 0.00500	< 0.01500	10,000	6,000	3,400	880
		2/7/1996	**0.00690**	< 0.00100	< 0.00100	< 0.00200	11,000	7,400	3,400	1,500
		2/7/1996	**0.00760**	< 0.00250	< 0.00250	< 0.00750	11,030	6,740	3,770	1,400
		5/8/1996	**0.00676**	< 0.00100	< 0.00100	< 0.00300	9,840	5,080	3,120	1,160
		8/13/1996	**0.00790**	**0.00220**	< 0.00100	< 0.00200	12,000	10,000	4,200	1,700
		11/5/1996	0.03200	**0.00170**	< 0.00100	**0.00120**	29	25,000	13,000	5,100
		5/6/1997	0.02100	**0.00530**	**0.00310**	**0.00350**	10,200	6,700	3,600	---
		11/21/1997	0.02800	**0.00310**	< **0.00050**	**0.00280**	27,900	16,000	9,800	2,700
		5/12/1998	0.07000	**0.00820**	**0.00130**	**0.00430**	36,000	22,000	13,000	---
		10/20/1998	0.05100	< 0.00200	< 0.00200	< 0.00200	42,500	29,600	17,000	5,100
		5/12/1999	---	---	---	---	19,800	11,100	7,200	---
		10/20/1999	0.01400	**0.00450**	< 0.00200	< 0.00400	19,300	13,600	7,800	2,300
		5/9/2000	---	---	---	---	31,500	21,000	18,000	---
		11/1/2000	0.01600	< 0.00200	< 0.00200	< 0.00400	25,700	21,900	10,000	4,440
		5/1/2001	---	---	---	---	32,800	20,000	15,000	---
		10/23/2001	0.05900	< 0.00200	< 0.00200	< 0.00200	47,800	32,900	17,000	9,500
		4/29/2002	---	---	---	---	34,200	25,500	15,000	---

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-11 (cont'd)		11/6/2002	0.01300	< 0.00100	< 0.00100	< 0.00300	11,000	9,700	4,600	3,000
		11/4/2003	**0.00270**	< 0.00200	< 0.00200	< 0.00600	7,950	3,470	4,520	1,740
		11/10/2004	0.01930	< 0.00100	**0.00053** J	< 0.00200	21,200	18,300	7,950	2,270
		5/23/2005	0.02220	< 0.00200	< 0.00200	< 0.00600	22,200	17,700	8,339	4,022
		12/13/2005	0.01870	< 0.00200	< 0.00200	< 0.00600	27,000	10,400	4,580	2,240
		3/6/2007	0.01100	< 0.00100	< 0.00100	< 0.00100	18,500	14,500	8,880	1,930
		11/13/2007	**0.00320**	< 0.00100	< 0.00100	< 0.00100	13,260	11,300	6,540	1,860
		11/18/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	12,540	10,100	5,570	1,950
		2/25/2010	**0.00150**	< 0.00100	< 0.00100	< 0.00100	50,300	11,700	6,450	2,120
		12/9/2010	< 0.00100	**0.00290**	< 0.00100	< 0.00100	22,500	48,300	21,000	8,430
		11/10/2011	**0.00089** J	< 0.00100	< 0.00100	< 0.00300	13,000	10,100	4,070	1,290
		11/7/2012	**0.00550**	< 0.00100	< 0.00100	< 0.00300	45,600	39,600	21,200	9,160
		1/13/2014	**0.00446**	< 0.00030	< 0.00020	< 0.00023	52,200	29,700	22,500	9,880
		1/5/2015	0.01490	< 0.00030	< 0.00020	< 0.00023	36,900	23,800	17,700	6,160
		12/4/2015	0.02760	< 0.00020	< 0.00021	< 0.00037	56,200	70,900 H	23,000	7,240 B
		12/1/2016	**0.00228**	< 0.00020	< 0.00021	< 0.00037	45,800	40,400	20,000	5,810 B
		11/28/2017	0.01260	< 0.00020	< 0.00021	< 0.00037	65,600	39,900 H	30,500	10,700 B
		11/7/2018	0.02030	< 0.00100	< 0.00100	< 0.00200	58,400	40,000 H	19,400	5,930
		12/18/2019	0.02200	< 0.00100	< 0.00100	< 0.00200	49,000	37,000 H	23,000 B	6,700 B
		12/9/2020	0.017	< 0.00041	< 0.00050	< 0.0016	55,000	48,000 J	21,000	6,700
		12/1/2021	0.020	< 0.00041	< 0.00050	< 0.0016	50,000	47,000	2,000	6,300
		12/1/2022	0.017	< 0.00041	< 0.00050	< 0.0016	49,000	30,000	23,000	8,300
		9/12/2023	0.020	< 0.00090	< 0.00050	< 0.0016	51,000	36,000	22,000	6,800
		9/4/2024	0.013	< 0.00090	< 0.00050	< 0.0060	35,000	39,000	25,000	6,900
ACW-12		2/19/1997	< 0.00050	< 0.00050	0.00150	< 0.00100	1,610	950	380	---
	D	2/19/1997	**0.00290**	< 0.00050	< 0.00050	< 0.00100	1,630	960	390	---
		5/8/1997	**0.00300**	**0.00089**	< 0.00050	< 0.00100	1,240	900	290	---
		8/20/1997	**0.00120**	< 0.00050	< 0.00050	< 0.00100	1,120	740	260	100
	D	8/20/1997	**0.00140**	< 0.00050	< 0.00050	< 0.00100	1,150	740	280	100
		10/23/1997	**0.00140**	**0.00058**	< 0.00050	< 0.00100	1,810	850	380	120
		2/24/1998	**0.00730**	< 0.00050	< 0.00050	< 0.00100	2,050	1,200	470	120
	D	2/24/1998	**0.00670**	< 0.00050	< 0.00050	< 0.00100	2,090	1,220	490	120
		6/1/1998	< 0.00050	**0.00120**	< 0.00050	< 0.00100	2,000	1,500	---	130
	D	6/1/1998	**0.00440**	**0.00250**	**0.00610**	**0.00250**	2,300	1,700	540	130

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-12 (cont'd)		8/11/1998	**0.00200**	< 0.00200	< 0.00200	< 0.00600	1,790	**1,240**	**440**	130
	D	8/11/1998	**0.00200**	< 0.00200	< 0.00200	< 0.00600	2,020	**1,300**	**520**	130
		10/22/1998	**0.00600**	< 0.00200	< 0.00200	< 0.00600	2,280	**1,520**	**610**	140
	D	10/22/1998	**0.00600**	< 0.00200	< 0.00200	< 0.00600	2,310	**1,690**	**600**	130
		2/23/1999	**0.00600**	< 0.00200	< 0.00200	< 0.00600	2,020	**1,240**	**500**	160
	D	2/23/1999	**0.00500**	< 0.00200	< 0.00200	< 0.00600	2,050	**1,280**	**480**	160
		5/14/1999	**0.00400**	< 0.00200	< 0.00200	< 0.00600	2,390	**1,440**	**500**	150
	D	5/14/1999	**0.00400**	< 0.00200	< 0.00200	< 0.00600	2,350	**1,410**	**590**	140
		8/11/1999	**0.00530**	< 0.00200	< 0.00200	< 0.00600	2,650	**1,750**	**750**	160
	D	8/11/1999	**0.00240**	< 0.00200	< 0.00200	< 0.00600	2,630	**1,880**	**810**	160
		10/22/1999	**0.00470**	< 0.00200	< 0.00200	< 0.00600	2,180	**1,620**	**650**	140
	D	10/22/1999	**0.00440**	< 0.00200	< 0.00200	< 0.00600	2,170	**1,390**	**560**	140
		2/22/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00200	1,950	**1,260**	**680**	130
		5/11/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	1,590	989	**470**	120
		8/7/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	1,800	**1,270**	**460**	110
		11/3/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	2,520	**1,780**	**890**	280
		2/20/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	2,230	**1,210**	**670**	170
		5/3/2001	**0.00240**	< 0.00200	< 0.00200	< 0.00200	2,100	**1,060**	**570**	150
	D	5/3/2001	**0.00210**	< 0.00200	< 0.00200	< 0.00200	2,120	**1,150**	**510**	150
		8/1/2001	< 0.00200	< 0.00200	< 0.00200 Jc	< 0.00200	2,080	**1,290**	**490**	140
		10/25/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,890	**1,220**	**1,400**	120
		2/20/2002	---	---	---	---	2,200	**1,370**	**720**	140
	R	2/20/2002	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00200 H	---	---	---	---
		5/1/2002	**0.00260**	< 0.00200	< 0.00200	< 0.00200	2,030	**1,180**	**490**	130
	D	5/1/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00200	1,900	**1,100**	**440**	110
		11/7/2002	**0.00370**	< 0.00100	< 0.00100	< 0.00300	1,800	**1,300**	**450**	150
		11/6/2003	**0.00100** J	< 0.00200	< 0.00200	< 0.00600	1,605	**1,220**	**410**	126
		11/11/2004	**0.00180**	< 0.00100	< 0.00100	< 0.00200	2,270	**1,300**	**449**	137
		12/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	2,090	**1,130**	**393**	131
		3/8/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,980	**1,650**	**529**	134
		11/14/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,920	**1,460**	**451**	134
		11/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	2,300	**1,570**	**460**	126

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-12 (cont'd)		2/24/2010	**0.00260**	< 0.00100	< 0.00100	< 0.00100	4,760	3,680	1,130	244
		12/8/2010	**0.00160**	< 0.00100	< 0.00100	< 0.00100	4,953	5,420	1,270	263
		11/9/2011	**0.00250**	< 0.00100	< 0.00100	< 0.00300	4,500	3,300	1,210	236
		11/6/2012	**0.00440**	< 0.00100	< 0.00100	< 0.00300	4,650	3,340	1,380	198
		1/10/2014	**0.00363**	< 0.00030	< 0.00020	< 0.00023	5,170	3,430	1,290	266
		1/5/2015	**0.00062**	< 0.00030	< 0.00020	< 0.00023	4,610	3,350	1,610	277
		12/1/2015	**0.00023** J	**0.00041**	< 0.00021	< 0.00037	5,000	3,190 H	1,610	274 B
		12/1/2016	< 0.00018	< 0.00021	< 0.00021	< 0.00037	5,070	4,000	1,560	258 B
		11/28/2017	< 0.00018	< 0.00020	< 0.00021	< 0.00037	5,820	2,430	1,840	348 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	8,100	5,260 H	2,690	417
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	6,300	4,700	1,100 B	400 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	7,100	5,900	2,100	390
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	6,500	5,000	1,900 ^2	430
		12/1/2022	**0.00023** J	< 0.00041	< 0.00050	< 0.00160	7,300	6,900	2,200	< 92
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	7,700	5,100	2,400	500
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	5,500	5,500	2,800	560
ACW-13		2/20/1997	< 0.00050	< 0.00050	**0.00150**	< 0.00100	681	440	53	---
		5/8/1997	**0.00061**	**0.00058**	< 0.00050	< 0.00100	643	460	57	---
	D	5/8/1997	**0.00065**	**0.00062**	< 0.00050	< 0.00100	630	460	52	---
		8/20/1997	< 0.00050	< 0.00050	< 0.00050	< 0.00100	654	440	55	79
		10/23/1997	**0.00059**	**0.00076**	< 0.00050	< 0.00100	728	400	50	84
		2/24/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	727	450	59	87
		6/1/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	700	450	---	85
		8/11/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	679	467	48	85
		10/22/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	686	439	47	87
		2/23/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	792	493	74	110
		5/14/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	693	403	45	86
		8/11/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	676	359	41	86
		10/22/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	674	436	48	89
		2/23/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00200	697	479	53	82
		5/11/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	697	459	47	88
		8/8/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	676	363	41	82
	D	8/8/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	662	381	44	84
		11/6/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	1,330	947	360	210

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-13 (cont'd)		2/20/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	893	518	110	130
		5/7/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	685	444	57	88
		8/1/2001	< 0.00200	< 0.00200	< 0.00200 Jc	< 0.00200	694	402	42	86
	D	8/1/2001	< 0.00200	< 0.00200	< 0.00200 Jc	< 0.00200	690	439	45	80
		10/25/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	690	422	42	78
		2/20/2002	< 0.00200	**0.00210**	< 0.00200	< 0.00200	680	389	44	78
	R	2/20/2002	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00200 H	---	---	---	---
		5/1/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00200	760	407	54	78
		9/25/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00400	807	643	50	80
	D	9/25/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00400	789	603	130	83
		11/7/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	740	450	45	96
		3/28/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	772	502	47	57
		5/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	747	502	47	70
		8/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	661	460	42	79
		11/6/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	759	490	44	77
		2/26/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	724	476	43	81
		5/12/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	759	492	42	77
		8/24/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	660	496	45	78
		11/11/2004	**0.00050** J	< 0.00100	< 0.00100	< 0.00200	987	558	50	79
		2/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,036	520	61	78
		5/24/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	811	447	32	70
		8/22/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	884	513	71	85
		12/15/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	917	551	172	83
	D	12/15/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	548	88	79
		2/13/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	906	551	93	81
		5/8/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	922	508	98	63
	D	5/8/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	505	94	70
		8/22/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	967	568	100	80
		3/8/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	971	586	119	92
		5/15/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,025	651	127	84
		8/22/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,085	690	121	81
		11/15/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,012	855	130	87

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-13 (cont'd)		2/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,070	691	123	84
		6/9/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,100	639	122	89
	D	6/9/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	631	122	87
		8/13/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,110	688	131	75
		11/20/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,155	1,290	135	89
		3/3/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,109	666	98	90
	D	3/3/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	631	98	89
		5/19/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,088	668	134	88
		8/27/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,115	706	126	87
		2/19/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,000	662	169	89
		6/28/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	949	1,050	148	98
	D	6/28/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	1,060	145	92
		9/20/2010	< 0.00100	**0.00041** J	< 0.00100	< 0.00100	1,062	783	158	95
	D	9/21/2010	< 0.00200	**0.00027** J	< 0.00100	< 0.00100	---	732	166	94
		12/7/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,019	880	161	99
		2/16/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,020	888	194	100
		5/10/2011	< 0.00100	< 0.00200	< 0.00200	< 0.00600	1,019	682	192	99
	D	5/10/2011	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	714	198	101
		8/17/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,020	707	200	99
		11/9/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,140	709	200	90
		2/13/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,170	663	189	96
		5/8/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,150	663	186	98
		8/13/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,250	714	234	102
		11/6/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,230	760	228	111
		3/1/2013	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,100	713	191	116
		6/28/2013	< 0.00014	< 0.00030	< 0.00020	< 0.00030	796	767	216	108
		10/2/2013	< 0.00014	< 0.00030	< 0.00014	< 0.00030	739	789	202	105
		1/9/2014	< 0.00014	< 0.00030	< 0.00014	< 0.00030	1,230	715	215	104
		3/31/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	1,530	904	302	103
		5/29/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	1,200	805	237	104
		9/10/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	1,270	904	271	111
		1/5/2015	< 0.00030	< 0.00030	< 0.00020	< 0.00023	1,340	449	272	105

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Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-13 (cont'd)		3/4/2015	< 0.00033	< 0.00033	< 0.00020	< 0.00023	1,250	804	276	102
		6/2/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,340	1,020	313	110
		9/30/2015	< 0.00018	< 0.00021	< 0.00020	< 0.00037	1,310	930	268	102
		12/2/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,320	966 H	301	109 B
		3/16/2016	< 0.00056	< 0.00055	< 0.00013	< 0.00020	1,310	1,140	249 F1	105
		5/18/2016	< 0.00056	< 0.00055	< 0.00013	< 0.00020	1,340	1,260	284	103
		8/17/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,300	1,090	293	107
		12/1/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,330	944	299	112
		3/14/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	1,350	1,010	246 B	116
		6/21/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	1,350	1,190	327	116
		9/21/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	1,430	1,100	329	121
		11/28/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	1,550	1,160	363	137 B
		2/21/2018	< 0.00018	< 0.00021	< 0.00198	< 0.00037	1,650	1,650	389	121 B
		5/9/2018	< 0.00018	< 0.00021	< 0.00020	< 0.00037	1,630	1,300	355	134 B
		8/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,760	1,460	362	135
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	2,460	1,410 H	519	135
		3/5/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,790	1,900	575	154
		6/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	2,300	1,500	590	150
		9/10/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	2,400	2,000	660	150
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	2,600	2,000	700 B	160 B
		3/19/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	2,700	3,100	740	150
		6/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	2,600	3,300	570	170
		9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	2,900	3,200	770	190
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	3,900	3,300	1,000	190
		3/23/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	4,000	2,600	1,300	220
	D	3/23/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	4,100	2,700	1,300	220
		6/16/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	4,400	3,600	1,300	220
	D	6/16/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	4,400	3,800	1,400	210
		9/15/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	4,500	5,000	1,500	200
	D	9/15/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	4,400	5,000	1,600	200
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	4,700	4,700	1,500	220
		3/29/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	5,100	4,600	1,600	220
	D	3/29/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	5,100	5,100	1,600	220
		6/29/2022	< 0.00013	< 0.00041	< 0.00050 F1	< 0.0016 F1	5,000	2,200	1,500	220
	D	6/29/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	5,100	4,900	1,500	210

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-13 (cont'd)		9/20/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	4,900	3,600	1,800	230
	D	9/20/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	4,900	4,400	1,800	230
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	5,300	3,500	1,700	570
		3/23/2023	< 0.00013	< 0.00041	< 0.00050	< 0.0016	5.4	3,700	1,600	220
	D	3/23/2023	< 0.00013	< 0.00041	< 0.00050	< 0.0016	< 5.0 J	3,400 J	1,800	220
		6/20/2023	< 0.00050 UJ	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	5,900 J-	5,400 J-	1,400 J-	230
	D	6/20/2023	< 0.00050 UJ	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	5,700 J-	6,200 J-	1,400 J-	240
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	5,900	4,000	1,800	210
		11/30/2023	< 0.00050 UJ	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	5,400 J	4,500 J	1,800 J	260
	D	11/30/2023	< 0.00050 UJ	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	5,400 J	4,100 J	1,800 J	250
		3/27/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0016	4,600	3,300 J	2,200	220
	D	3/27/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0016	4,600	8,800 J	2,300	220
		6/5/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0016	4,500	4,300	1,800	210
	D	6/5/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0016	4,500	4,200	1,900	190
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	4,200	4,900	2,300	220
		12/11/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0060	3,900	2,900 J	1,300 J	220
	D	12/11/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0060	5,200	4,200 J	2,000 J	210
ACW-14		2/20/1997	< 0.00050	< 0.00050	< 0.00050	< 0.00100	830	570	86	---
		5/7/1997	**0.00088**	**0.00110**	**0.00052**	< 0.00100	746	480	72	---
		8/20/1997	< 0.00050	< 0.00050	< 0.00050	< 0.00100	691	460	80	81
		10/22/1997	< 0.00050	**0.00120**	< 0.00050	**0.00150**	747	440	71	81
		2/24/1998	< 0.00050	< 0.00050	< 0.00050	**0.00058** J	755	470	40	87
		5/13/1998	**0.00075**	< 0.00050	< 0.00050	< 0.00100	880	530	58	97
		8/11/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	730	496	160	90
		10/21/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	771	466	71	97
		2/23/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	859	524	88	110
		5/13/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	764	500	62	95
		8/9/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	791	471	58	91
		10/21/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	753	469	68	98
		2/22/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00200	738	499	53	97
		5/10/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	761	485	61	110
		8/7/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	750	439	65	95
		11/1/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	1,630	1,090	420	300
		2/21/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	883	517	100	110
		5/3/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	809	499	89	100
		8/2/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	771	476	70	89
		10/24/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	761	449	71	82

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-14 (cont'd)		2/19/2002	< 0.00200	**0.00310**	< 0.00200	**0.00710**	759	427	65	82
	R	2/19/2002	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00200 H	---	---	---	---
		4/30/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00400	844	505	74	90
		9/25/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00400	749	482	58	81
		11/4/2002	**0.00200**	< 0.00100	< 0.00100	< 0.00300	840	670	76	97
	D	11/4/2002	**0.00180**	< 0.00100	< 0.00100	< 0.00300	830	550	73	99
		3/26/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	768	508	55	62
		5/20/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	822	570	67	78
	D	5/20/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	822	534	71	76
		8/20/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	746	494	59	88
	D	8/20/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	494	62	89
		11/5/2003	**0.00180** J	< 0.00200	< 0.00200	< 0.00600	825	550	67	88
		2/26/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	752	512	52	90
	D	2/26/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	500	51	89
		5/12/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	786	490	57	87
		8/24/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	747	520	54	86
		11/12/2004	< 0.00100	< 0.00100	< 0.00100	< 0.00200	926	572	55	89
		2/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,081	520	54	88
	D	2/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	528	60	83
		5/24/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	820	508	64	82
		8/22/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	846	526	58	87
		12/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	869	539	53	92
		2/13/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	854	512	59	81
	D	2/13/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	512	60	81
		5/9/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	826	474	64	75
		8/22/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	846	988 R H	50	80
	D	8/22/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	492	52	83
		3/7/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	807	531	56	86
	D	3/7/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	513	54	89
		5/15/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	868	558	62	87
		8/22/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	886	549	62	80
	D	8/22/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	598	64	77
		11/14/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	865	547	60	88
	D	11/14/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	526	61	86

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-14 (cont'd)		2/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	866	543	57	77
	D	2/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	574	56	84
		6/9/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	890	590	63	86
		8/13/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	900	611	69	76
	D	8/13/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	505	69	70
		11/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	910	546	71	83
	D	11/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	537	69	81
		3/3/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	922	519	52	87
		5/19/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,100	561	64	98
		8/27/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	988	603	62	86
		2/18/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,030	524	82	92
		6/29/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	794	< 10	63	93
		9/21/2010	< 0.00100	**0.00026** J	< 0.00100	< 0.00100	1,000	705	98	95
		12/7/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,070	600	83	99
		2/16/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00100	987	853	162	105
		5/11/2011	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,033	605	145	105
		8/17/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	925	663	154	101
		11/9/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	840	544	74	90
		2/14/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,000	589	119	98
	D	2/14/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	994	601	120	97
		5/8/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,140	646	168	112
	D	5/8/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,140	665	166	108
		8/13/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,100	674	161	110
	D	8/13/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,060	615	143	111
		11/7/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,190	723	185	117
	D	11/7/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,220	748	198	115
		3/1/2013	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,070	623	159	102
		6/28/2013	< 0.00014	< 0.00030	< 0.00020	< 0.00300	426	416	31	72
		10/5/2013	< 0.00014	< 0.00030	< 0.00020	< 0.00300	804	815	221	117
		1/9/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00020	1,110	660	154	116
		3/31/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00020	908	539	89	96
		5/29/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00020	984	615	139	103
		9/10/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	803	595	82	110
		12/30/2014	< 0.00030	< 0.00030	< 0.00020	< 0.00023	817	480	62	70

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-14 (cont'd)		3/4/2015	< 0.00033	< 0.00033	< 0.00020	< 0.00023	772	494	7	103
		6/2/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	840	490	76	101
		9/30/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	817	543	83	97
		12/2/2015	< 0.00018 H	< 0.00020 H	< 0.00021 H	< 0.00037 H	836	838 H	94	101 B
		3/16/2016	< 0.00056	< 0.00055	< 0.00129	< 0.00129	834	569	86	100
		5/18/2016	< 0.00056	< 0.00055	< 0.00129	< 0.00129	861	742	262	98
		8/17/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	842	558	121	102
		12/2/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	871	577	98	107
		3/14/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	875	583	96 B	108
		6/21/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	867	748	128	101
		9/21/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	877	598	121	107
		11/28/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	905	613	120	104 B
		2/21/2018	< 0.00018	< 0.00021	< 0.00020	< 0.00037	927	561	129	96 B
	D	2/21/2018	< 0.00018	< 0.00021	< 0.00020	< 0.00037	920	570	132	98 B
		5/9/2018	< 0.00018	< 0.00021	< 0.00020	< 0.00037	905	614	94	104 B
	D	5/9/2018	< 0.00018	< 0.00021	< 0.00020	< 0.00037	921	648	118	102 B
		8/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	933	592	130	99
	D	8/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	941	613	118	100
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,220	624 H	146	111
		3/5/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	889	692	134	107
	D	3/5/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	923	570	134	108
		6/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	990	510	130	100
	D	6/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	990	560	130	100
		9/10/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,000	480 J	130	110
	D	9/10/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,000	660 J	140 B	100
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,000	570	170 B	110 B
		3/19/2020	< 0.0010	**0.00038** J	< 0.0010	< 0.0020	880	600	160	100
	D	3/19/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	1,000	600	160	100
		6/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	860	620	220	110
	D	6/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	930	620	220	110
		9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	1,000	570	140	110
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,100	650	160	110
		3/23/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,100	650	180	120
		6/16/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,100	640	180	120

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-14 (cont'd)		9/15/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,100	650	190	110
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,100	700	180	110
		3/29/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,100	790	190	120
		6/29/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,100	650	190	120
		9/20/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,000	730	200	130
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,200	710	200	28
		3/23/2023	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,200	660	210	120
		6/20/2023	< 0.00050 UJ	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	1,300 J-	2,000 J-	190 J-	130
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	1,300	690	220	120
		11/30/2023	< 0.00050 UJ	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	1,300 J	730 J	220 J	200
		3/27/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0016	1,200	720	270	120
		6/5/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0016	1,100	760	240	110
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	1,200	780	310	130
		12/112024	< 0.00050	< 0.00090	< 0.00050	< 0.0060	1,200	820	250	110
ACW-15		10/23/1999	**0.00320**	**0.00530**	< 0.00200	< 0.00400	1,010	587	180	130
		2/23/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00200	665	402	42	81
	D	2/23/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00200	660	394	42	82
		5/11/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	654	431	49	76
		8/8/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	605	340	35	77
		11/2/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	1,380	876	360	250
		2/20/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	725	423	64	100
	D	2/20/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	727	413	65	96
		5/7/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	629	416	52	80
	D	5/7/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	628	396	46	81
		8/2/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	627	397	82	76
		10/25/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	627	393	56	72
		2/19/2002	< 0.00200	**0.00340**	**0.00200**	**0.01100**	629	369	27	74
	R	2/19/2002	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00200 H	---	---	---	---
	D	2/19/2002	< 0.00200	< 0.00200	< 0.00200	**0.00700**	628	355	31	49
	R	2/19/2002	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00200 H	---	---	---	---
		5/2/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00200	670	404	30	77
		9/25/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00400	777	552	130	72
		11/8/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	640	380	30	85
	D	11/8/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	620	410	29	81
		3/28/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	700	472	31	55
		5/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	651	442	30	66
		8/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	650	438	29	77

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-15 (cont'd)		11/7/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	644	436	26	71
		2/26/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	600	410	27	75
		5/12/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	655	436	27	71
		8/24/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	587	382	26	74
		11/11/2004	< 0.00100	< 0.00100	< 0.00100	< 0.00200	760	468	29	74
		2/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	937	444	30	71
		5/24/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	655	513	61	79
	D	5/24/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	458	34	72
		8/22/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	743	456	31	75
		12/14/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	754	452	32	74
		2/13/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	730	444	39	71
		5/8/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	721	377	33	68
		8/22/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	708	414	41	72
		3/8/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	716	457	44	77
		5/15/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	794	514	43	77
		8/22/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	799	47	1	< 1
		11/15/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	752	520	50	78
		2/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	844	542	62	70
		6/9/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	840	538	56	76
		8/13/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	848	588	62	65
		11/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	828	481	47	72
		3/3/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	857	491	50	82
		5/19/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	825	493	56	82
	D	5/19/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	482	65	80
		8/27/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	840	515	60	78
	D	8/27/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	502	46	79
		2/17/2010	---	---	---	---	839	337	31	47
		6/28/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	837	671	49	85
		9/20/2010	< 0.00100	**0.00033** J	< 0.00100	< 0.00100	878	476	30	81
		12/9/2010	< 0.00100	**0.00060** J	< 0.00100	< 0.00100	9,300	**5,500**	72	79
		2/16/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00100	857	710	135	87
	D	2/16/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00100	849	679	134	87
		5/10/2011	< 0.00200	< 0.00200	< 0.00200	< 0.00600	897	571	124	86
		8/17/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	589	440	37	81
	D	8/17/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	595	428	40	81

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-15 (cont'd)		11/9/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	711	462	49	76
		2/13/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	939	539	124	87
		5/8/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	718	386	47	88
		8/14/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	999	531	146	96
		11/5/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,010	615	154	103
		3/1/2013	< 0.00100	< 0.00100	< 0.00100	< 0.00300	992	649	160	90
		6/28/2013	< 0.00014	< 0.00030	< 0.00020	< 0.00023	675	613	160	94
		10/3/2013	< 0.00014	< 0.00030	< 0.00020	< 0.00023	691	720	189	93
		1/10/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	1,080	613	170	100
		3/31/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	792	487	67	82
		5/29/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	573	477	89	87
		9/10/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	755	469	75	88
		1/9/2015	< 0.00014	< 0.00030	< 0.00020	< 0.00023	782	449	56	86
		3/4/2015	< 0.00033	< 0.00033	< 0.00020	< 0.00023	724	454	67	101
		6/2/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	785	500	72	91
		9/30/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	763	475	74	85
		12/2/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	599	407 H	68	67
		3/16/2016	< 0.00056	< 0.00055	< 0.00129	< 0.00198	774	565	86	89
		5/18/2016	< 0.00056	< 0.00055	< 0.00129	< 0.00198	865	770	116	86
		8/17/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	815	588	123	90
		12/1/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	876	582	122	92
		3/14/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	864	575	84 B	95
		6/21/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	880	771	126	90
		9/21/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	898	635	133	92
		11/28/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	940	640	168	94 B
		2/21/2018	< 0.00018	< 0.00021	< 0.00020	< 0.00037	981	598	157	91 B
		5/9/2018	< 0.00018	< 0.00021	< 0.00020	< 0.00037	981	673	175	91 B
		8/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,020	605	154	92
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,360	668 H	171	100
		3/5/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,040	652	190	99.5
		6/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,100	610	180	96
		9/10/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,100	780	190	99

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-15 (cont'd)		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,100	570	170 B	100 B
		3/19/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	1,000	620	170	92
		6/24/2020	**0.00026** J	< 0.0010	< 0.0010	< 0.0020	950	670	210	96
		9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	1,000	650	160	99
		12/9/2020	< 0.00038	< 0.00041	< 0.00500	< 0.0016	1,200	670	170	93
		3/23/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,100	650	190	110
		6/16/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,100	650	190	100
		9/15/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,100	770	220	97
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,200	750	210	100
		3/29/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,300	820	230	110
		6/29/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,200	760	240	110
		9/20/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,200	800	260	120
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,400	880	270	190 J
		3/23/2023	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,400	900	300	110
		6/20/2023	< 0.00050 UJ	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	1,500 J-	960 J-	280 J-	120
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	1,500	840	320	110
		11/30/2023	< 0.00050 UJ	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	1,500 J	900 J	310 J	130
		3/27/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0016	1,400	920	370	110
		6/5/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0016	1,200	12,000	310	100
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	1,300	910	380	110
		12/11/2024	< 0.00050	< 0.00090	< 0.00050	< 0.0060	1,400	930	310	100
ACW-16		1/6/2015	**0.00220**	< 0.00030	< 0.00020	< 0.00023	24,400	15,100	10,700	4,010
		12/3/2015	**0.00185**	**0.00033** J	< 0.00021	**0.00055** J	26,700	20,600 H	13,400	4,460
		12/1/2016	**0.00224**	**0.00030** J	< 0.00021	< 0.00037	27,400	21,200	11,200	4,480 B
		11/28/2017	**0.00243**	**0.00023** J	< 0.00021	< 0.00037	27,700	21,700	11,700	4,260 B
		11/7/2018	**0.00161**	< 0.00100	< 0.00100	< 0.00200	35,700	18,300 H	10,700	4,410
		12/18/2019	**0.00230**	0.00032 J	< 0.00100	< 0.00200	28,000	21,000	12,000 B	4,600 B
		12/9/2020	**0.0017**	< 0.00041	< 0.00050	< 0.0016	30,000	22,000	11,000	4,500
		12/1/2021	**0.0016**	< 0.00041	< 0.00050	< 0.0016	27,000	23,000	10,000	4,100
		12/1/2022	**0.0014**	< 0.00041	< 0.00050	< 0.0016	27,000	17,000	10,000	400
		9/12/2023	**0.0014**	< 0.00090	< 0.00050	< 0.0016	29,000	16,000	10,000	3,900
		9/4/2024	**0.0011**	< 0.00090	< 0.00050	< 0.0060	21,000	21,000	13,000	4,300

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	--	1,000 mg/L	250 mg/L	--
ACW-17		1/6/2015	< 0.00033	< 0.00030	< 0.00020	< 0.00023	609	7,960	5,500	1,680
		12/3/2015	**0.00026** J	< 0.00020	< 0.00021	< 0.00037	14,000	10,800 H	5,950	1,760
		12/1/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	14,400	11,100	5,520	1,670
		11/28/2017	< 0.00018	< 0.00020	< 0.00021	< 0.00037	15,100	11,600	6,420	1,700 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	20,300	10,800 H	5,580	1,780
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	16,000	12,000	5,900 B	1,900 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	18,000	14,000	5,800	1,700
		12/1/2021	**0.00025** J	< 0.00041	< 0.00050	< 0.0016	15,000	14,000	5,500	1,800
		12/1/2022	**0.00026** J	< 0.00041	< 0.00050	< 0.0016	16,000	9,900	5,600	4,700
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	18,000	11,000	6,000	1,700
		9/4/2024	**0.00049** J	< 0.00090	< 0.00050	< 0.0060	16,000	14,000	9,800	1,900
ACW-18		1/6/2015	< 0.00030	< 0.00030	< 0.00020	< 0.00023	104,000	64,400	49,700	26,200
		12/3/2015	**0.00026** J	< 0.00020	< 0.00021	< 0.00037	102,000	105,000 H	42,900	27,300 B
		12/28/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	105,000	60,300	47,000	28,100 B
		11/28/2017	**0.00062** J	< 0.00020	< 0.00021	< 0.00037	106,000	91,400	60,200	27,200 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	136,000	79,200 H	51,700	25,400
		12/18/2019	**0.00058** J	< 0.00100	**0.00026** J	< 0.00200	100,000	71,000	58,000 B^	20,000 B
		12/9/2020	**0.00041** J	< 0.00041	< 0.00050	< 0.0016	120,000	88,000 J	47,000	28,000
		12/1/2021	**0.00061** J	< 0.00041	< 0.00050	< 0.0016	120,000	19,000	49,000	20,000
		12/1/2022	**0.00034** J	< 0.00041	< 0.00050	< 0.0016	130,000	79,000 E	48,000	28,000
		9/12/2023	< 0.00050	< 0.00900	< 0.00050	< 0.0016	110,000	76,000	3,800	21,000
		9/4/2024	**0.00074** J	< 0.00090	**0.00076** J	< 0.0060	77,000	74,000	67,000	24,000
ACW-19		1/6/2015	0.07550	**0.00064**	**0.00095**	**0.00345**	3,470	2,180	972	539
		12/3/2015	0.08410	**0.00156**	**0.00924**	**0.01480**	3,970	2,560	1,080	641 B
		12/1/2016	0.06390	**0.00052**	**0.00201**	**0.00217**	4,110	2,520	1,050	587 B
		11/28/2017	0.04760	**0.00057** J	**0.00137**	**0.00224**	4,600	2,960	1,320	645 B
		11/7/2018	0.04730	< 0.00100	**0.00225**	**0.00220**	6,300	2,570 H	1,240	772
		12/18/2019	0.05200	**0.00320**	**0.00910**	**0.00620**	5,200	2,500	1,300 B	820 B
		12/9/2020	0.069	**0.0083**	**0.010**	**0.0061** J	5,900	3,100	1,400 J	810
		12/1/2021	0.046	**0.0070**	**0.0079**	**0.0070** J	5,200	3,000	1,400	780
		12/1/2022	0.024	**0.0066**	**0.003**	**0.0028** J	5,500	3,700	1,500	2,000
		9/12/2023	0.028	**0.0093**	**0.0019**	**0.0026** J	6,100	3,200	1,600	800
		9/4/2024	0.020	**0.0043**	< 0.00050	< 0.0060	4,800	3,300	1,400	710

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-20		1/12/2015	0.06820	**0.00988**	**0.00986**	**0.00755**	137,000	**86,600**	**73,200**	---
		12/3/2015	0.07080	**0.00876**	**0.01290**	**0.00995**	140,000	**116,000** H	**70,400**	43,500
		12/1/2016	0.09420	**0.01050**	**0.01740**	**0.01240**	130,000	**117,000**	**58,200**	40,200
		11/28/2017	0.05530	**0.00874**	**0.00503**	**0.00410**	150,000	**136,000**	**80,600**	46,700 B
		11/7/2018	0.05620	**0.00871**	**0.00640**	**0.00399** J	189,000	**182,000** H	**75,600**	192 J
	D	11/7/2018	0.05530	**0.01130**	**0.00824**	**0.00616** J	190,000	**164,000** H	**73,000**	46,400 J
		12/18/2019	0.06900	**0.01100**	**0.00870**	**0.00640**	150,000	**82,000**	**81,000** B^	42,000 B
		12/9/2020	0.088 J	**0.0084**	**0.0059**	**0.0037** J	180,000	**120,000** J	**72,000**	44,000
	D	12/9/2020	0.054 J	**0.0071**	**0.0054**	**0.0040** J	170,000	**120,000** J	**74,000**	35,000
		12/1/2021	0.056	**0.0059**	**0.0055**	**0.0043** J	150,000	**120,000**	**89,000**	2,800
	D	12/1/2021	0.049	**0.0073**	**0.0057**	**0.0043** J	180,000	**120,000**	**67,000**	200 ^2
		12/1/2022	0.055	**0.0059**	**0.0042**	**0.0026** J	180,000	**98,000** E	**70,000**	42,000
	D	12/1/2022	0.057	**0.0070**	**0.0048**	**0.0035** J	160,000	**110,000** E	**71,000**	42,000
		9/12/2023	0.06	**0.0069**	**0.0046**	**0.0031** J	160,000	**100,000**	**71,000**	24,000 J
	D	9/12/2023	0.062	**0.0089**	**0.0072**	**0.0048** J	160,000	**110,000**	**71,000**	33,000 J
		9/4/2024	0.041	**0.0050**	**0.0046**	< 0.0060	150,000	**100,000**	**67,000** J	42,000
	D	9/4/2024	0.056	**0.0046**	**0.0036**	< 0.0060	150,000	**92,000**	**94,000** J	41,000
ACW-21		1/12/2015	0.07290	< 0.00150	**0.01660**	**0.01040**	2,010	**1,010**	**410**	144
		12/3/2015	0.77500	< 0.00396	**0.04450**	**0.15400**	1,990	**1,280** H	**414**	146
		12/1/2016	0.06400	< 0.00396	**0.06170**	**0.04380**	2,050	**1,270**	**380**	150
		11/28/2017	0.05620	**0.00037** J	**0.00921**	**0.00220**	1,890	**1,280**	**572**	144 B
		11/7/2018	0.475	< 0.0200	**0.02690**	< 0.0400	2,430	**1,040** H	**298**	52
		12/18/2019	0.022	**0.00099** J	**0.01800**	**0.0055** J	2,000	**1,100**	**320** B	120 B
		12/9/2020	0.030	< 0.00041	**0.0039**	< 0.0016	2,300	**1,400**	**380** J	120
		12/1/2021	0.020	**0.00052** J	**0.00093** J	< 0.0016	1,900	**1,300**	**300**	140
		12/1/2022	0.061	< 0.00041	< **0.0005**	0.0020 J	2,000	**1,100**	**280**	36
		9/12/2023	0.019	< 0.00090	**0.0084**	**0.0072** J	2,800	1,000	21	220
		9/4/2024	0.016	< 0.00090	< 0.00050	< 0.0060	1,900	**1,100**	**280**	150
ACW-22		12/2/2015	< 0.00018	**0.00024** J	< 0.00021	< 0.00037	2,080	**1,270** H	**397**	238 B
		12/2/2016	< 0.00018	**0.00024** J	< 0.00021	< 0.00037	2,220	**1,230**	**3,150**	284 B
		11/28/2017	**0.00027** J	**0.00024** J	< 0.00021	< 0.00037	2,190	**1,350**	**418**	260 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	2,770	**1,210** H	**383**	312
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	2,200	**1,200**	**420** B	310 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	2,400	**1,400**	**370** J	300
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	2,100	**1,200**	**360**	310
		12/1/2022	**0.00071** J	< 0.00041	< 0.00050	< 0.00160	2,300	**1,300**	**360**	72
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.00160	2,400	**1,300**	**360**	400
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	2,300	**1,300**	**340**	330

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Table 3
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El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-23		12/2/2015	< 0.00018	**0.00302**	< 0.00021	< 0.00037	2,820	1,940 H	646	291 B
		12/2/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	3,030	1,930	682	343 B
		11/28/2017	< 0.00018	< 0.00020	< 0.00021	< 0.00037	3,150	2,100	761	326 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	4,010	1,830 H	700	332
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	3,300	1,900	630 B	350 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	3,500	1,900	690	290
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	3,100	2,100	650	320
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	3,200	2,100	660	160 F2
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	3,500	2,000	750	340
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	3,100	2,000	570	310
ACW-24		12/2/2015	**0.00152**	**0.00105**	< 0.00021	< 0.00037	113,000	84,700 H	56,800	30,800
		12/2/2016	**0.00129**	< 0.00020	< 0.00021	< 0.00037	112,000	105,000	52,500	29,100 B
		11/28/2017	**0.00187**	**0.00033** J	< 0.00021	< 0.00037	115,000	110,000	64,000	29,600
		11/7/2018	**0.00136**	< 0.00100	< 0.00100	< 0.00200	147,000	115,000 H	58,200	31,400
		12/18/2019	**0.00210**	**0.00027** J	< 0.00100	< 0.00200	120,000	72,000	69,000 B	33,000 B
		12/9/2020	**0.0021**	**0.00048** J	< 0.00050	< 0.0016	130,000	95,000 J	83,000	27,000
		12/1/2021	**0.0021**	< 0.00041	< 0.00050	< 0.0016	120,000	99,000	58,000	18,000
		12/1/2022	**0.0021**	< 0.00041	< 0.00050	< 0.0016	120,000	87,000 E	55,000	4,100
		9/12/2023	**0.0017**	< 0.00090	< 0.00050	< 0.0016	130,000	94,000	57,000	30,000
		9/4/2024	**0.0017** J	< 0.0045	< 0.0025	< 0.030	85,000	81,000	65,000	32,000
ACW-25		12/2/2015	0.10600	**0.00105**	**0.00038** J	**0.00227**	34,300	22,600 H	15,700	4,490
		12/2/2016	0.01660	**0.00031**	< 0.00021	< 0.00037	40,400	31,200	16,000	5,390
		11/28/2017	0.01890	< 0.00020	< 0.00021	< 0.00037	41,500	33,400 H	22,400	5,660
		11/7/2018	0.0204	< 0.00100	< 0.00100	< 0.00200	54,400	34,100 H	20,200	6,160
		12/18/2019	0.0240	< 0.00100	< 0.00100	**0.00044** J	45,000	42,000	23,000 B	6,600 B
		12/9/2020	0.027	< 0.00041	< 0.00050	< 0.0016	51,000	35,000	18,000	6,000
		12/1/2021	0.025	< 0.00041	< 0.00050	< 0.0016	46,000	49,000	17,000	5,500
		12/1/2022	0.026	< 0.00041	< 0.00050	< 0.0016	48,000	34,000	19,000	8,900
		9/12/2023	0.027	< 0.00090	< 0.00050	< 0.0016	51,000	36,000	20,000	9,200
		9/4/2024	0.025	< 0.00090	< 0.00050	< 0.0060	35,000	44,000	29,000	7,400
ACW-26		12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	1,300	600	260 B	170 B
	D	12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	1,300	640	230 B	160 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,300	690	200	140
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	2,200	4,200	540	230
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	2,200	1,400	570	96
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	2,200	1,100	460	290
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	1,800	1,100	390	260

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El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
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Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-27		12/18/2019	**0.00050** J	< 0.00100	< 0.00100	< 0.00200	4,100	3,200	1,200 B	330 B
	D	12/18/2019	**0.00050** J	< 0.00100	< 0.00100	< 0.00200	4,100	3,200	1,200 B	340 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	4,500	3,100	1,100	56
		12/1/2021	< 0.00025 J	< 0.00041	< 0.00050	< 0.0016	4,000	4,800	1,100	310
		12/1/2022	**0.00028** J	< 0.00041	< 0.00050	< 0.00160	4,000	3,200	1,200	860
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.00160	4,700	2,900	1,200	350
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	4,100	3,500	1,500	340
ACW-28		12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	820	450	54 JB	79 B
	D	12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	810	440	84 JB	74 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	690	510	29	48
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	590	390	36	57
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	610	400	34	33
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	630	390	39	58
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	600	390	29	56
ACW-29		12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	730	390	44 B	83 B
	D	12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	730	410	41 B	77 B
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	780	500	61 J	73
	D	12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	720	500	39 J	71
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	710	440	40	79
	D	12/1/2021	**0.00029** J	< 0.00041	< 0.00050	< 0.0016	690	460	40	64 ^2
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	720	430	39	21
	D	12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	740	480	42	70
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	750 J	450	45	80 J
	D	9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	1,400 J	450	45	110 J
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	710	460	40	84
	D	9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	730	540	48	73
ACW-30S		11/7/2018	< 0.0010	< 0.00100	< 0.00100	< 0.00200	1,170	440 H	146	71
		12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	820	470	130 B	72 B
		12/9/2020	< 0.0004	< 0.00041	< 0.00050	< 0.0016	970	550	120 J	60
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	840	570	120	67
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	790	540	100	15 J
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	840	510	96	63
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	800	530	79	64

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Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ACW-30D		11/7/2018	**0.00110**	< 0.00100	< 0.00100	< 0.00200	46,800	**30,400** H	**15,800**	5,120
		12/18/2019	**0.00150**	**0.00037** J	< 0.00100	< 0.00200	40,000	**39,000**	**19,000** B	6,100 B
		12/9/2020	**0.0014**	< 0.00041	< 0.00050	< 0.0016	46,000	**33,000**	**16,000**	5,500
	D	12/9/2020	**0.0010**	< 0.00041	< 0.00050	< 0.0016	42,000	**33,000**	**17,000**	4,000
		12/1/2021	**0.0013**	< 0.00041	< 0.00050	< 0.0016	41,000	**44,000**	**16,000**	4,900
	D	12/1/2021	**0.0011**	**0.00049** J	< 0.00050	< 0.0016	410,000	**41,000**	**15,000**	5,200
		12/1/2022	**0.0014**	< 0.00041	< 0.00050	< 0.0016	42,000	**30,000**	**16,000**	800
	D	12/1/2022	**0.0013**	< 0.00041	< 0.00050	< 0.0016	42,000	**30,000**	**17,000**	1,200
		9/12/2023	**0.0012**	< 0.00090	< 0.00050	< 0.0016	45,000	**32,000**	**17,000**	7,700
	D	9/12/2023	**0.0016**	< 0.00090	< 0.00050	< 0.0016	46,000	**31,000**	**17,000**	7,800
		9/4/2024	**0.0011**	< 0.00090	< 0.00050	< 0.0060	36,000	**26,000** J	**23,000**	6,900
	D	9/4/2024	**0.0015**	< 0.00090	< 0.00050	< 0.0060	34,000	**36,000** J	**21,000**	6,900
ACW-32S		11/7/2018	< 0.0010	< 0.00100	< 0.00100	< 0.00200	6,080	**3,100** H	**1,080**	287
		12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	3,900	**3,400**	**780** B	290 B
		9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	3,400	**3,300**	**830**	270
	D	9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	3,400	**3,300**	**860**	260
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	3,900	**2,900**	**1,000**	260
	D	12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	3,900	**3,100**	**1,000**	250
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	3,400	**4,100**	**940**	260
	D	12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	3,300	**2,400**	**940**	210 ^2
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	3,400	**2,000**	**900**	650
	D	12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	3,200	**2,400**	**870**	660
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	3,500	**2,400** J	**840**	250
	D	9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	3,500	**2,600** J	**840**	240
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	3,100	**2,200**	**710** J	240
	D	9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	2,900	**2,800**	**360** J	260
ACW-32D		11/7/2018	< 0.0010	< 0.00100	< 0.00100	< 0.00200	2,970	**1,410** H	**602**	178
		12/18/2019	< 0.0010	< 0.00100	< 0.00100	< 0.00200	1,500	850	**260** B	120
		9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	1,800	**1,500**	**340**	130
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,700	880	**280**	120
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,600	**2,300**	**340**	130
		12/1/2022	< 0.0001	< 0.0004	< 0.0005	< 0.0016	1,400	830	220	40
		9/12/2023	< 0.0005	< 0.0009	< 0.0005	< 0.0016	1,800	1,000	**360**	140
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	1,600	980	**270**	130

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
RW-01		11/3/2000	**0.13000**	**0.04000**	**0.07300**	**0.12000**	62,000	**43,900**	**32,000**	22,000
		11/9/2004	**0.11400** R	**0.02410**	**0.07030**	**0.06210**	67,670	**39,900**	**23,700**	12,400
		12/15/2005	**0.13600**	**0.02070**	**0.09050**	**0.09180**	48,800	**32,600**	**13,600**	11,500
		3/5/2007	**0.09300**	**0.02500**	**0.05900**	**0.07100**	47,800	**30,400**	**22,500**	10,800
		11/12/2007	**0.11000**	**0.04700**	**0.06900**	**0.08100**	44,900	**29,700**	**16,800**	10,600
		11/17/2008	**0.05700**	**0.03900**	**0.03700**	**0.05200**	38,400	**26,600**	**17,700**	8,530
		2/19/2010	**0.12000**	**0.10000**	**0.05600**	**0.08400**	34,600	**35,000**	**22,600**	11,600
		12/7/2010	**0.08600**	**0.06900**	**0.04600**	**0.07100**	27,500	**28,600**	**20,800**	9,880
	D	12/7/2010	**0.09400**	**0.07000**	**0.05000**	**0.07600**	---	**34,000**	**21,900**	10,500
		11/9/2011	**0.07360**	**0.05350**	**0.03340**	**0.05300**	4,100	**26,100**	**16,200**	8,750
	D	11/9/2011	**0.07680**	**0.05620**	**0.03500**	**0.05560**	40,100	**26,400**	**17,300**	8,860
RW-02		11/3/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	7,340	**5,660**	**2,800**	680
		10/25/2001	---	---	---	---	8,380	**5,050**	**2,400**	---
		11/6/2002	**0.00150**	< 0.00100	< 0.00100	< 0.00300	8,700	**5,800**	**3,500**	1,400
		11/10/2004	**0.00210**	**0.00048** J	< 0.00100	< 0.00200	5,870	**7,000**	**2,850**	1,220
		12/14/2005	**0.00190** J	< 0.00200	< 0.00200	< 0.00600	8,450	**5,060**	**2,280**	1,100
		3/6/2007	**0.00420**	< 0.00100	< 0.00100	< 0.00100	10,320	**7,200**	**3,950**	1,510
		11/19/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	13,830	**10,800**	**5,850**	1,910
		2/24/2010	**0.00400**	< 0.00100	< 0.00100	< 0.00100	21,700	**5,780**	**2,510**	1,170
		12/9/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	11,340	**8,620**	**3,840**	1,590
		11/9/2011	**0.00540**	< 0.00100	< 0.00100	< 0.00300	10,100	**6,140**	**2,990**	1,450
	D	11/9/2011	**0.00620**	< 0.00100	< 0.00100	< 0.00300	10,100	**6,640**	**3,030**	1,360
RW-03		11/8/2012	**0.09140**	**0.06060**	**0.02280**	**0.03980**	88,400	**74,000**	**58,200**	27,200
ENSR-01		5/7/1997	**0.00730**	**0.00370**	**0.00240**	**0.00200**	8,620	**5,200**	**3,200**	---
		10/21/1997	**0.01300**	**0.00630**	**0.00420**	**0.00560**	13,800	**7,600**	**4,400**	---
		5/12/1998	**0.01300**	**0.00460**	**0.00400**	**0.00440**	12,000	**6,700**	**3,600**	---
		10/20/1998	---	---	---	---	12,400	**7,590**	**4,200**	---
		5/11/1999	---	---	---	---	14,700	**8,450**	**5,500**	---
		10/20/1999	---	---	---	---	12,400	**6,290**	**4,100**	---
		5/9/2000	---	---	---	---	12,800	**7,420**	**6,200**	---
		10/27/2000	---	---	---	---	10,200	**6,690**	**3,800**	---
	D	10/27/2000	---	---	---	---	10,600	**7,140**	**4,000**	---
		5/2/2001	---	---	---	---	19,200	**10,200**	**7,600**	---

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ENSR-01 (cont'd)		10/23/2001	---	---	---	---	15,300	**8,050**	**5,100**	---
	D	10/23/2001	---	---	---	---	11,400	**6,070**	**3,600**	---
		4/29/2002	---	---	---	---	9,480	**4,770**	**3,800**	---
		11/4/2002	**0.01800**	< 0.01000	< 0.01000	< 0.03000	12,000	**7,600**	**4,500**	1,900
		11/4/2003	**0.01310**	**0.00120** J	**0.00310**	**0.00310** J	6,510	**2,260**	**2,600**	2,710
		11/10/2004	**0.01080**	**0.00110**	**0.00280**	**0.00200**	5,800	**3,900**	**1,920**	881
	D	11/10/2004	**0.01140** R	**0.00130**	**0.00240**	**0.00170** J	---	**3,150**	**1,420**	823
		12/13/2005	**0.00990**	< 0.00200	**0.00220**	< 0.00600	5,530	**2,740**	**1,120**	969
		3/6/2007	**0.00740**	< 0.00100	**0.00250**	**0.00240**	4,860	**4,010**	**2,230**	882
		11/13/2007	**0.01100**	< 0.00100	**0.00370**	**0.00190**	7,430	**2,830**	**1,230**	1,040
		11/18/2008	**0.00620**	< 0.00100	**0.00220**	**0.00130**	7,690	**3,270**	**1,680**	1,140
		2/25/2010	**0.00410**	< 0.00100	**0.00110**	< 0.00100	13,890	**3,760**	**1,640**	1,330
	D	2/25/2010	**0.00420**	< 0.00100	**0.00120**	< 0.00100	---	**3,760**	**1,630**	1,240
		12/9/2010	**0.01200**	**0.00140**	**0.00090** J	**0.00120** J	22,500	**9,210**	**4,620**	2,310
	D	12/9/2010	**0.01200**	**0.00025** J	< 0.00100	< 0.00100	---	**7,670**	**4,690**	2,370
		11/10/2011	**0.00690**	**0.00063** J	**0.00210**	**0.00200** J	10,600	**5,680**	**3,120**	1,840
	D	11/10/2011	**0.00690**	**0.00066** J	**0.00190**	**0.00190** J	11,800	**6,520**	**3,500**	2,010
		11/7/2012	**0.00820**	< 0.00100	**0.00170**	**0.00100** J	11,800	**7,480**	**3,940**	2,300
		1/13/2014	**0.00786**	< 0.00030	**0.00156**	**0.00106** J	13,600	**6,240**	**4,410**	2,420
		1/6/2015	**0.00598**	**0.00039** J	**0.00260**	**0.00111** J	6,610	**2,850**	**2,260**	982
		12/1/2016	**0.01480**	**0.00047** J	**0.00160**	**0.00137** J	21,800	**15,100**	**8,620**	4,410 B
		11/28/2017	**0.01360**	**0.00055** J	**0.00205**	**0.00124** J	20,700	**16,400**	**8,280**	3,740 B
		11/7/2018	**0.01420**	< 0.00100	**0.00248**	< 0.00200	25,200	**13,400** H	**7,330**	4,000
		12/18/2019	**0.01700**	**0.00059** J	**0.00270**	**0.00140** J	19,000	**11,000**	**3,800** B	3,600 B
		12/9/2020	**0.016**	**0.00045** J	**0.0015**	< 0.0016	20,000	**11,000**	**6,400**	58
		12/1/2021	**0.012**	**0.00062** J	**0.0027**	**0.0016** J	15,000	**8,400**	**4,900**	2,800
		12/1/2022	**0.013**	**0.00041** J	**0.0008**	< 0.0016	17,000	**9,700**	**5,900**	450
		9/12/2023	**0.011**	< 0.00090	**0.0012**	< 0.0016	17,000	**9,500**	**4,800**	3,700
		9/4/2024	**0.011**	< 0.00090	**0.0015**	< 0.0060	14,000	**8,900**	**4,300**	3,300
ENSR-02		5/6/1997	**0.25000**	**0.23000**	**0.11000**	**0.19000**	50,000	**27,000**	**17,000**	---
		10/20/1997	**0.13000**	**0.16000**	**0.07700**	**0.12000**	57,900	**30,000**	**17,000**	---
		5/12/1998	---	---	---	---	38,000	**21,000**	**13,000**	---
		10/19/1998	---	---	---	---	44,800	**30,000**	**18,000**	---
		5/11/1999	---	---	---	---	49,100	**31,200**	**18,000**	---
		10/19/1999	---	---	---	---	28,900	**16,600**	**9,400**	---

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ENSR-02 (cont'd)		5/9/2000	---	---	---	---	42,900	**26,700**	**18,000**	---
		10/29/2001	---	---	---	---	42,000	**25,100**	**13,000**	---
		11/9/2004	**0.07210** R	**0.02840**	**0.01810**	**0.09380**	35,500	**22,500**	**12,900**	7,840
		12/14/2005	**0.04940**	**0.05340**	**0.02150**	**0.03290**	34,400	**20,600**	**10,400**	7,810
		3/5/2007	**0.01000**	**0.01200**	**0.00450**	**0.00730**	33,300	**22,100**	**12,400**	7,840
		11/17/2008	**0.07200**	**0.09600**	**0.03800**	**0.07000**	39,200	**24,200**	**18,200**	8,190
	D	11/17/2008	**0.07300**	**0.09900**	**0.03900**	**0.07200**	---	**24,000**	**15,500**	7,260
		2/19/2010	**0.03000**	**0.03000**	**0.01300**	**0.02280**	33,600	**15,400**	**9,560**	5,260
		12/8/2010	**0.02800**	**0.03800**	**0.00910**	**0.01650**	11,000	**15,300**	**8,500**	5,780
		11/10/2011	**0.00510**	**0.00810**	**0.00160**	**0.00300**	16,300	**9,620**	**7,100**	3,340
ENSR-03		5/7/1997	**0.00760**	**0.00330**	**0.00290**	**0.00300**	2,050	**1,500**	**650**	---
	D	5/7/1997	**0.00680**	**0.00310**	**0.00280**	**0.00290**	1,990	**1,400**	**480**	---
		10/21/1997	**0.00500**	**0.00250**	**0.00300**	**0.00410**	2,230	**1,300**	**580**	---
		5/12/1998	**0.00950**	**0.00340**	**0.00190**	**0.00270**	2,400	**1,400**	**610**	---
	D	5/12/1998	**0.01400**	**0.00440**	**0.00230**	**0.00440**	2,200	**1,300**	**550**	---
		10/20/1998	---	---	---	---	2,260	**1,580**	**590**	---
	D	10/20/1998	---	---	---	---	2,240	**1,290**	**540**	---
		5/11/1999	---	---	---	---	2,490	**1,370**	**500**	---
	D	5/11/1999	---	---	---	---	2,480	**1,380**	**610**	---
		10/20/1999	---	---	---	---	2,390	**1,630**	**600**	---
	D	10/20/1999	---	---	---	---	2,390	**1,560**	**590**	---
		5/9/2000	---	---	---	---	2,360	**1,580**	**710**	---
	D	5/9/2000	---	---	---	---	2,410	**1,580**	**710**	---
		10/27/2000	---	---	---	---	2,410	**1,870**	**640**	---
		5/2/2001	---	---	---	---	2,480	**1,240**	**610**	---
	D	5/2/2001	---	---	---	---	2,490	**1,270**	**680**	---
		10/23/2001	---	---	---	---	2,480	**1,300**	**620**	---
		4/29/2002	---	---	---	---	2,500	**1,350**	**580**	---
	D	4/29/2002	---	---	---	---	2,370	**1,390**	**490**	---
		11/4/2002	**0.00710**	< 0.00500	**0.02200**	**0.02500**	2,100	**1,400**	**520**	190
		11/3/2003	**0.00930**	< 0.00200	**0.01120**	**0.01140**	2,020	**1,460**	**471**	174
		11/10/2004	**0.01200**	**0.00042** J	**0.00380**	**0.00340**	2,310	**1,810**	**561**	168
		5/23/2005	**0.01300**	< 0.00200	**0.00240**	< 0.00600	2,330	**1,510**	**523**	180

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
ENSR-03 (cont'd)		12/12/2005	0.01160	< 0.00200	**0.00320**	**0.00270** J	2,450	1,240	564	191
	D	12/12/2005	0.01190	< 0.00200	**0.00330**	**0.00270** J	---	1,240	558	176
		3/6/2007	**0.00670**	< 0.00100	**0.01700**	**0.01800**	2,150	1,460	536	158
		11/12/2007	0.01100	< 0.00100	**0.02200**	**0.02200**	2,360	1,630	477	150
		11/17/2008	**0.00550**	< 0.00100	**0.01200**	**0.01300**	2,100	1,390	422	126
		2/25/2010	**0.00290**	< 0.00100	**0.00820**	**0.00560**	2,390	1,550	364	150
		12/8/2010	0.01900	**0.00073** J	**0.01400**	**0.01949**	8,000	2,060	552	177
		11/10/2011	**0.00420**	< 0.00100	**0.00410**	**0.00290** J	1,990	1,150	393	1,630
		11/7/2012	0.04320	< 0.00100	**0.00380**	**0.00620**	2,280	1,320	476	173
		1/10/2014	0.03020	< 0.00030	**0.00190**	**0.00714**	2,370	1,430	495	173
		1/10/2015	0.01250	**0.00087**	**0.00091**	< 0.00023	2,790	1,760	750	173
		12/3/2015	**0.00830**	**0.00113**	**0.00079** J	< 0.00037	2,740	1,850 H	811	191
		12/1/2016	0.01060	< 0.00020	**0.00080** J	< 0.00037	2,800	1,840	741	185 B
Oxy Supply		5/13/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	800	480	120	65
		8/11/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	762	604	120	67
		10/20/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	734	488	100	---
		2/23/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	810	407	120	82
		5/13/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	808	468	120	71
		8/11/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	831	466	140	72
		10/22/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00400	788	490	130	73
		2/23/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00600	630	392	38	71
		5/11/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	835	504	120	72
		8/7/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	802	433	120	68
		11/2/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	662	475	120	71
		2/20/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	805	442	130	68
		5/7/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	781	481	140	65
		8/1/2001	< 0.00200	< 0.00200	< 0.00200 Jc	< 0.00200	807	532	120	66
		10/25/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	822	500	120	64
		9/25/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00400	827	552	34	60
		11/6/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	820	580	140	73
		3/26/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	870	556	162	53
		5/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	863	544	190	61
		8/19/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	786	500	126	64

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El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
Oxy Supply (cont'd)		11/3/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	822	572	154	62
		2/25/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	830	548	136	70
		5/13/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	851	922	157	70
	D	5/13/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	568	162	67
		8/25/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	849	654	193	72
	D	8/25/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	650	200	73
		11/11/2004	< 0.00100	< 0.00100	< 0.00100	< 0.00200	984	588	135	66
		2/15/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,226	397	29	64
		5/25/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	935	611	147	63
		8/23/2005	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00600 H	1,190	650	217	84
		12/15/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,238	696	228	85
		2/14/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,198	635	213	76
		5/8/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,098	513	171	71
		8/23/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	980	556 R H	168	66
		3/8/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,036	730	199	74
	D	3/8/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	702	199	75
		5/16/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,094	699	202	73
	D	5/16/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	730	201	75
		8/23/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,159	701	186	68
		11/15/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,059	796	188	71
		4/1/2014	< 0.00014	< 0.00030	< 0.00022	< 0.00023	1,480	827	**287**	102
		5/29/2014	< 0.00014	< 0.00030	< 0.00022	< 0.00023	1,370	976	**281**	103
		9/10/2014	< 0.00014	< 0.00030	< 0.00022	< 0.00023	1,130	736	222	93
		1/12/2015	< 0.00014	< 0.00030	< 0.00022	< 0.00023	1,450	760	**297**	105
		3/4/2015	< 0.00033	< 0.00033	< 0.00020	< 0.00023	1,340	845	**286**	89
		6/3/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,450	1,000	**298**	103
		9/30/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,330	872	**440**	101
		12/8/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,230	970	230	99 B
		3/16/2016	< 0.00056	< 0.00055	< 0.00129	< 0.00198	1,400	**1,050**	234	100
		5/18/2016	< 0.00056	< 0.00055	< 0.00129	< 0.00198	1,410	**1,200**	**262**	99
		8/17/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,200	800	221	92
		12/2/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,160	702	201	92
		3/14/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	1,180	730	201 B	100

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
Oxy Supply (cont'd)		6/21/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	1,370	1,050	290	107
		9/21/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	1,410	980	264	104
		11/28/2017	< 0.00018 U	< 0.00020 U	< 0.00021 U	< 0.00037 U	1,390	924	289	111 B
		2/21/2018	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,360	804	265	99 B
		5/9/2018	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,410	940	235	103 B
		8/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,470	840	245	101
		11/8/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,910	912 H	262	107
		3/5/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,310	864	254	106
		6/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,400	720	220	98
		9/10/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,500	810	250 B	110
		12/18/2019	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,600	840	280 B	100
		3/19/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	1,400	930	250	96
		6/24/2020	**0.00033** JL	**0.00022** J	< 0.0010	< 0.0020	1,200	820	210	98
		9/24/2020	< 0.0010	< 0.0010	< 0.0010	< 0.0020	1,100	620	160	99
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,300	700	200	90
		3/23/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,400	840	250	120
		6/16/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,600	840	260	110
		9/15/2021	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,200	810	210	95
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	1,500	1,100	250	95 ^2
		3/29/2022	**0.00036** J	< 0.00041	< 0.00050	< 0.0016	1,600	790	250	110
		6/29/2022	**0.00027** J	< 0.00041	< 0.00050	< 0.0016	1,500	880	250	110
		9/20/2022	**0.00046** J	< 0.00041	< 0.00050	< 0.0016	1,300	1,000	240	120
		12/1/2022	**0.00056** J	< 0.00041	< 0.00050	< 0.0016	1,400	850	230	35
		3/23/2023	**0.0007** J	< 0.00041	< 0.00050	< 0.0016	250	800	250	110
		6/20/2023	**0.00073** J	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	1,500 J-	880 J-	220 J-	140
		9/12/2023	**0.0011**	< 0.00090	< 0.00050	< 0.0016	1,600	890	250	120
		11/30/2023	**0.00089** J	< 0.00090 UJ	< 0.00050 UJ	< 0.0016 UJ	1,500 J	830 J	230 J	120
		3/27/2024	**0.0012**	< 0.00090	< 0.00050	< 0.0016	1,300	840	280	110
		6/5/2024	**0.0012**	< 0.00090	< 0.00050	< 0.0016	1,200	840	220	98
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	1,100	740	22	96
		12/11/2024	**0.00096** J	< 0.00090	< 0.00050	< 0.0060	1,200	710	210	90
EPNG-01		5/8/1997	**0.00056**	**0.00055**	< 0.00050	< 0.00100	718	---	---	---
		10/23/1997	< 0.00050	< 0.00050	< 0.00050	< 0.00100	890	470	91	---
		5/14/1998	---	---	---	---	850	500	67	---
	D	5/14/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	860	520	67	---
		10/22/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	994	659	56	---
		5/14/1999	---	---	---	---	846	469	70	---
		10/23/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00600	891	540	3	---

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
EPNG-01 (cont'd)		10/27/2000	---	---	---	---	850	603	94	---
		10/29/2001	---	---	---	---	890	523	65	---
		11/8/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	940	600	60	91
		11/7/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	733	600	62	81
		11/12/2004	< 0.00100	< 0.00100	< 0.00100	< 0.00200	963	516	68	88
		12/15/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,103	674	52	62
		3/9/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	747	485	58	80
		11/16/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	738	851	52	70
	D	11/16/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	670	52	71
		11/20/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,118	674	71	76
	D	11/20/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	670	71	76
		2/24/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	1,060	420	63	89
		12/9/2010	**0.00030** J	**0.00160**	**0.00320**	**0.00293**	2,300	980	74	87
		11/10/2011	**0.00060** J	< 0.00100	< 0.00100	< 0.00300	962	573	61	80
		11/7/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	982	607	65	97
	D	11/7/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	1,010	617	68	96
		1/12/2015	< 0.00030	< 0.00030	< 0.00020	< 0.00023	2,790	414	64	92
		12/4/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,140	806 H	201	164 B
		12/1/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	820	522	77	103 B
		11/28/2017	< 0.00018	< 0.00020	< 0.00021	< 0.00037	1,350	894	274	113 B
		11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,760	854 H	217	110
	D	11/7/2018	< 0.00100	< 0.00100	< 0.00100	< 0.00200	1,760	850 H	215	110
		12/18/2019	< 0.00100	< 0.00100	**0.00022** J	< 0.00200	1,200	640	180 B	99
		12/9/2020	< 0.00038	< 0.00041	< 0.00050	< 0.0016	1,000	660	120	91
		12/1/2021	< 0.00013	< 0.00041	< 0.00050	< 0.0016	830	320	110	93
		12/1/2022	< 0.00013	< 0.00041	< 0.00050	< 0.0016	760	440	84	30
		9/12/2023	< 0.00050	< 0.00090	< 0.00050	< 0.0016	8,100	4,300	69	110
		9/4/2024	< 0.00024	< 0.00090	< 0.00050	< 0.0060	770	410	73	100
Doom Supply		2/24/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	634	410	38	64
		5/13/1998	< 0.00050	< 0.00050	< 0.00050	< 0.00100	640	410	30	
		8/10/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	629	450	34	71
		10/20/1998	< 0.00200	< 0.00200	< 0.00200	< 0.00600	636	464	35	69
		2/23/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	627	364	31	72
		5/13/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	630	381	34	72
		8/11/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00200	629	372	30	73
		10/21/1999	< 0.00200	< 0.00200	< 0.00200	< 0.00400	617	400	32	77
		2/23/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00600	814	506	130	69
		5/10/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	619	417	31	72

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Disssolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
Doom Supply (cont'd)		8/14/2000	< 0.00500	< 0.00500	< 0.00500	< 0.01000	597	400	28	4
		11/2/2000	< 0.00200	< 0.00200	< 0.00200	< 0.00400	530	375	32	79
		2/20/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00400	619	372	33	67
		5/3/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00200	615	419	30	73
		8/1/2001	< 0.00200	< 0.00200	< 0.00200 Jc	< 0.00200	618	374	28	66
		10/29/2001	< 0.00200	< 0.00200	< 0.00200	< 0.00600	622	396	28	64
		2/20/2002	< 0.00200	**0.01900**	**0.00390**	**0.02400**	620	373	31	65
	R	2/20/2002	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00200 H	---	---	---	---
		3/27/2002	---	---	---	---	---	---	---	---
		5/2/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00200	624	351	30	65
		9/25/2002	< 0.00200	< 0.00200	< 0.00200	< 0.00400	626	411	68	63
		11/5/2002	< 0.00100	< 0.00100	< 0.00100	< 0.00300	620	470	29	70
		3/26/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	585	386	30	51
		5/20/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	602	410	36	63
		8/20/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	561	366	31	66
		11/6/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	6	406	28	65
	D	11/6/2003	< 0.00200	< 0.00200	< 0.00200	< 0.00600	---	398	29	63
		2/25/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	583	388	28	67
		5/13/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	609	396	3	63
		8/25/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	567	390	43	64
		11/15/2004	< 0.00200	< 0.00200	< 0.00200	< 0.00600	602	404	28	62
		2/15/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	784	659	84	74
		5/25/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	619	403	29	58
		8/23/2005	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00600 H	652	384	29	66
	D	8/23/2005	< 0.00200 H	< 0.00200 H	< 0.00200 H	< 0.00600 H	---	384	29	66
		12/15/2005	< 0.00200	< 0.00200	< 0.00200	< 0.00600	641	408	29	69
		2/14/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	645	384	28	60
		5/9/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	635	316	30	57
		8/23/2006	< 0.00200	< 0.00200	< 0.00200	< 0.00600	641	374	31	62
		3/6/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	631	415	32	66
		5/16/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	699	446	34	63
		8/23/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	723	426	31	59
		11/15/2007	< 0.00100	< 0.00100	< 0.00100	< 0.00100	619	447	31	63

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
Doom Supply (cont'd)		2/20/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	700	417	31	66
		6/10/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	669	451	35	67
		8/12/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	760	461	34	57
		11/18/2008	< 0.00100	< 0.00100	< 0.00100	< 0.00100	735	390	35	61
		3/4/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	641	485	29	65
		8/26/2009	**0.00230**	< 0.00100	< 0.00100	< 0.00100	721	426	32	65
		9/17/2009	< 0.00100	< 0.00100	< 0.00100	< 0.00100	---	---	---	---
		2/19/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	765	409	36	57
		6/28/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	642	215		66
		9/21/2010	< 0.00100	**0.00028** J	< 0.00100	< 0.00100	661	449	30	64
		12/8/2010	< 0.00100	< 0.00100	< 0.00100	< 0.00100	8,490	930	33	68
		2/16/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00100	614	457	33	66
		5/11/2011	< 0.00200	< 0.00200	< 0.00200	< 0.00600	1,159	395	30	62
		8/17/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	569	569	30	65
		11/10/2011	< 0.00100	< 0.00100	< 0.00100	< 0.00300	635	250	29	60
		2/14/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	637	373	30	64
		5/8/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	646	347	33	67
		8/13/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	650	374	31	66
		11/5/2012	< 0.00100	< 0.00100	< 0.00100	< 0.00300	636	409	36	60
		3/5/2013	< 0.00100	< 0.00100	< 0.00100	< 0.00300	627	408	31	69
		6/28/2013	< 0.00100	< 0.00100	< 0.00100	< 0.00300	426	416	31	72
		10/5/2013	< 0.00100	< 0.00100	< 0.00100	< 0.00300	387	443	29	68
		4/1/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	659	403	31	67
		5/29/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	592	416	29	68
		9/10/2014	< 0.00014	< 0.00030	< 0.00020	< 0.00023	617	351	34	68
		1/12/2015	< 0.00014	< 0.00030	< 0.00020	< 0.00023	609	423	28	62
		3/4/2015	< 0.00033	< 0.00033	< 0.00020	< 0.00023	587	404	29	65
		6/3/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	646	374	30	0
		9/30/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	616	411	30	66
		12/16/2015	< 0.00018	< 0.00020	< 0.00021	< 0.00037	643	378	30	66
		3/16/2016	< 0.00056	< 0.00055	< 0.00129	< 0.00198	617	388	25	66
		5/18/2016	< 0.00056	< 0.00055	< 0.00129	< 0.00198	639	667	36	60
		8/17/2016	< 0.00018	< 0.00020	< 0.00021	< 0.00037	625	412	57	64

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Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L		Toluene mg/L		Ethylbenzene mg/L		Total Xylenes mg/L		Specific Conductance µmohs/cm		Total Dissolved Solids mg/L		Chloride mg/L		Sodium mg/L	
Regulatory Limit			**0.01 mg/L**		**0.75 mg/L**		**0.75 mg/L**		**0.62 mg/L**		**--**		**1,000 mg/L**		**250 mg/L**		**--**	
Doom Supply (cont'd)	D	8/17/2016	< 0.00018		< 0.00020		< 0.00021		< 0.00037		634		424		57		65	
		12/2/2016	< 0.00018		< 0.00020		< 0.00021		< 0.00037		635		399		43		66	
		3/14/2017	< 0.00018	U	< 0.00020	U	< 0.00021	U	< 0.00037	U	628		429		30	B	70	
		6/21/2017	< 0.00018	U	< 0.00020	U	< 0.00021	U	< 0.00037	U	627		577		44		65	
		9/21/2017	< 0.00018	U	< 0.00020	U	< 0.00021	U	< 0.00037	U	636		438		43		64	
		11/28/2017	< 0.00018	U	< 0.00020	U	< 0.00021	U	< 0.00037	U	665		541		20		67	
		2/21/2018	< 0.00018		< 0.00020		< 0.00021		< 0.00037		644		403		43.4		62	
		5/9/2018	< 0.00018		< 0.00020		< 0.00021		< 0.00037		642		423		57.7		64	B
		8/7/2018	< 0.00100		< 0.00100		< 0.00100		< 0.00200		652		385		33.6		62	
		11/7/2018	< 0.00100		< 0.00100		< 0.00100		< 0.00200		817		414	H	29.6		67	
		3/5/2019	< 0.00100		< 0.00100		< 0.00100		< 0.00200		607		371		31.4	F1	66.6	
		6/18/2019	< 0.00100		< 0.00100		< 0.00100		< 0.00200		640		390		27		63	
		9/10/2019	< 0.00100		< 0.00100		< 0.00100		< 0.00200		650		380		30		65	
		12/18/2019	< 0.00100		< 0.00100		< 0.00100		< 0.00200		650		370		33	B	62	
		3/19/2020	< 0.0010		< 0.0010		< 0.0010		< 0.0020		620		390		27		61	
		6/24/2020	**0.00069**	J	**0.00034**	J	< 0.0010		< 0.0020		570		380		48		65	
		9/24/2020	< 0.0010		< 0.0010		< 0.0010		< 0.0020		580		260		1.0	J	65	
		12/9/2020	< 0.00038		< 0.00041		< 0.00050		< 0.0016		700		410		30		54	
		3/23/2021	< 0.00038		< 0.00041		< 0.00050		< 0.0016		620		410		32		72	
		6/16/2021	< 0.00038		< 0.00041		< 0.00050		< 0.0016		680		410		33		65	
		9/15/2021	< 0.00038		< 0.00041		< 0.00050		< 0.0016		650		410		82		62	
		12/1/2021	< 0.00013		< 0.00041		< 0.00050		< 0.0016		650		420		38		60	
		3/29/2022	< 0.00013		< 0.00041		< 0.00050		< 0.0016		690		400		35		67	
		6/29/2022	< 0.00013		< 0.00041		< 0.00050		< 0.0016		660		480		34		69	
		9/20/2022	< 0.00013		< 0.00041		< 0.00050		< 0.0016		580		420		36		73	
		12/1/2022	< 0.00013		< 0.00041		< 0.00050		< 0.0016		660		530		36		20	
		3/23/2023	< 0.00013		< 0.00041		< 0.00050		< 0.0016		620		460		36		65	
		6/20/2023	< 0.00050	UJ	< 0.00090	UJ	< 0.00050	UJ	< 0.0016	UJ	600	J-	390	J-	28	J-	70	J-
		9/12/2023	< 0.00050		< 0.00090		< 0.00050		< 0.0016		680		400		36		69	
		11/30/2023	< 0.00050	UJ	< 0.00090	UJ	< 0.00050	UJ	< 0.0016	UJ	720	J	420	J	42	J	110	J
		3/27/2024	< 0.00050		< 0.00090		< 0.00050		< 0.0016		660		420		47		67	
		6/5/2024	< 0.00050		< 0.00090		< 0.00050		< 0.0016		610		470		33		62	
		9/4/2024	< 0.00024		< 0.00090		< 0.00050		< 0.0060		610		410		32		68	

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Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
PTP-01		5/7/1997	**0.03800**	**0.00051**	**0.02200**	**0.00840**	2,420	**1,500**	**490**	---
		10/21/1997	**0.00790**	< 0.00050	**0.01800**	**0.00310**	2,250	**1,400**	**470**	---
		5/12/1998	**0.06200**	**0.00160**	**0.02100**	**0.01300**	2,300	**1,400**	**480**	---
		10/20/1998	**0.00000**	---	---	---	2,090	**1,410**	**380**	---
		5/11/1999	**0.00000**	---	---	---	2,250	**1,240**	**330**	---
		10/20/1999	**0.00000**	---	---	---	2,300	**1,630**	**460**	---
		5/9/2000	**0.00000**	---	---	---	2,210	**1,400**	**510**	---
		10/27/2000	**0.00000**	---	---	---	2,050	**1,570**	**530**	---
		5/2/2001	**0.00000**	---	---	---	2,370	**1,240**	**520**	---
		10/23/2001	**0.00000**	---	---	---	2,370	**1,280**	**550**	---
		4/29/2002	**0.00000**	---	---	---	2,390	**1,400**	**500**	---
		11/4/2002	**0.05000**	< 0.01000	**0.01500**	**0.02400**	2,000	690	**480**	170
		11/3/2003	**0.02180**	< 0.00200	**0.01350**	**0.00880**	2,130	**1,380**	**469**	190
		11/10/2004	**0.01360**	< 0.00100	**0.01870**	**0.00960**	2,300	**1,560**	**496**	167
		12/12/2005	**0.01370**	**0.00160** J	**0.02250**	**0.02640**	2,360	**1,140**	**442**	192
		3/6/2007	**0.01900**	< 0.00100	**0.01500**	**0.03450**	2,150	**1,280**	**397**	222
		11/12/2007	**0.01900**	< 0.00100	**0.02000**	**0.03130**	2,200	**1,380**	**348**	197
		11/17/2008	**0.01100**	< 0.00100	**0.02400**	**0.02620**	2,110	**1,250**	**351**	145
		2/25/2010	**0.00430**	< 0.00100	**0.01900**	**0.01400**	2,050	**1,120**	**265**	183
		12/8/2010	**0.00260**	**0.00096** J	**0.01900**	**0.00910**	7,000	**15,200**	**336**	176
		11/10/2011	**0.00310**	< 0.00100	**0.01350**	**0.01570**	2,050	992	**349**	165
		11/8/2012	< 0.00100	< 0.00100	**0.00460**	< 0.00300	1,820	**1,110**	**331**	140
		1/10/2014	**0.00120**	< 0.00030	**0.00140**	**0.00809**	1,890	**1,050**	**278**	174
		1/6/2015	< 0.00030	**0.00180**	**0.00631**	**0.00053**	2,230	**1,260**	**519**	162
		11/28/2017	**0.00061** J	< 0.00030	**0.00182**	**0.00100** J	2,140	**1,480**	**528**	178 B
		11/7/2018	**0.00197**	**0.00151**	**0.00213**	**0.00233**	2,690	**1,280** H	**476**	160
		12/18/2019	**0.00110**	< 0.00100	**0.00230**	**0.00460**	2,100	**1,300**	**430** B	160 B
		12/9/2020	**0.00063** J	< 0.00041	**0.0013**	**0.0022** J	2,100	**1,400**	**310**	150
		12/1/2021	**0.00054** J	< 0.00041	**0.0010**	**0.0024** J	1,800	**4,800**	**350**	140 ^2
		12/1/2022	**0.00035** J	< 0.00041	< **0.0005**	< **0.0016**	1,800	**1,100**	**290**	430
		9/12/2023	< 0.00050	< 0.00090	< 0.0005	< 0.0016	1,900	780	**290**	190
		9/4/2024	**0.00027** J	< 0.00090	< 0.00050	< 0.0060	660	1,000	**270**	170

Table 3
Groundwater Analytical Results
El Paso Natural Gas Company, LLC
Jal No. 4 Gas Plant
Lea County, New Mexico

Well ID	QA/QC	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Specific Conductance µmohs/cm	Total Dissolved Solids mg/L	Chloride mg/L	Sodium mg/L
Regulatory Limit			**0.01 mg/L**	**0.75 mg/L**	**0.75 mg/L**	**0.62 mg/L**	**--**	**1,000 mg/L**	**250 mg/L**	**--**
Injection Well		11/9/2004	**0.08070**	**0.01400**	**0.02560**	**0.02510**	---	**20,300**	**11,300**	6,010
		12/15/2005	**0.08440**	**0.02040**	**0.04050**	**0.04040**	36,800	**23,800**	**7,850**	8,620
		3/6/2007	**0.05300**	**0.03200**	**0.13000**	**0.03610**	29,400	**19,200**	**13,900**	6,690
		11/16/2007	**0.08000**	**0.03600**	**0.06800**	**0.06200**	37,900	**26,900**	**15,600**	9,260
		11/20/2008	**0.05200**	**0.03800**	**0.08200**	**0.03970**	23,600	**17,300**	**10,500**	5,250
		2/19/2010	**0.02200**	**0.01300**	**0.02300**	**0.01560**	19,600	**11,000**	**7,440**	3,700
		12/8/2010	**0.07200**	**0.05300**	**0.09000**	**0.05900**	19,000	**22,900**	**14,300**	7,240

Notes:

< : Denotes a sample value of less than the MDL
--- : No analysis performed
Bold Font: Indicates a detection above the laboratory detection limit
Bold Font: Indicates regulatory limit exceedance
B: Compound was found in the blank and sample
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
J- : Result is an estimated quantity, but the result may be biased low.
J+ : Result is an estimated quantity, but the result may be biased high.
UJ : The analyte was analyzed for, but was not detected.
D: Indicates a duplicate sample
U: Indicates the analyte was not dected at or above the MDL
H: Sample was prepped or analyzed beyond the specified holding time
F1: Indicates the MS and/or MSD recovery is outside of acceptance limits
F2: Indicates the MS/MSD RPD exceeds control limits
^2: Indicates the calibration blank is outside of acceptance limits
E: Result exceeded calibration range

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Appendix A

Site Chronology

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SITE CHRONOLOGY

Date	Activity
1952	Jal #4 Plant was constructed. It consisted of a gas plant, purification plant, dehydration plant, and compressor facilities. Brine and wastewater were stored in 8 unlined, retention ponds from 1952 to 1981.
1981	Since 1981, brine produced at the plant has been discharged into 3 ponds (brine ponds #9, #10 and #11) with synthetic liners.
October 19, 1982	EPNG met with NMOCD in Santa Fe, NM to discuss the Plant's Wastewater Disposal Plan.
November 16, 1982	Soil samples in dry ponds (#3 and #8) were taken and analyzed for various organic compounds. The analyses were reported in the Plant's Discharge Plan. Groundwater Discharge Plan for Jal #4 was approved by NMOCD.
November 29, 1982	EPNG representative met with NMOCD in Santa Fe, NM to discuss the closure plan for disposal ponds and to provide a progress report on the evaluation of organic constituents in pond sludges.
December 20, 1982	EPNG sampled and analyzed pond sludge for organic constituents. Only total phenols exceeded NMOCD standards.
1982	All ponds, not including the 3 brine ponds, were closed and capped in accordance with NMOCD. A leak detection system was installed in the brine ponds.
February 1985	In conjunction with the closure of the ponds it was necessary to ensure that storm water would not be generated in the area of the former ponds. Substantial grading east of the plant boundary was conducted, culverts were installed under the railroad and highway, and drainage was directed away from Plant property.
1987	EPNG plant operations were shutdown. Christie Gas began operating compressor facilities and using the lined ponds.
May 20, 1988	Texaco and Meridian, considering a possible joint venture, performed an environmental safety audit of Jal #4 to become acquainted with the environmental/safety concerns, if any, that would have to be addressed by Texaco and Meridian co- ownership and operation of the proposed cryogenic plant. The audit included a subsurface investigation which resulted in the detection of several organic compounds (i.e.: phenols, PCB, BTEX) in subsurface soils near pond #3.
1989	A leak was detected in a brine pond, the exact one is not known. Two brine ponds were retired. In response to the reported leak, NMOCD requested a hydrologic study be performed.
May 2. 1989	Texaco collected surface samples, sludges, soil, and core samples at Jal #3 and Jal "#4. Neither Texaco nor EPNG found anything unusual in the data except for chloride contamination in the deepest core on pond #3 at Jal "#4. This led to the drilling of 3 monitor wells (ENSR-1 through ENSR-3) and a limited groundwater study. The preliminary findings indicated chloride contamination.
May 10, 1989	EPNG received a copy of the new discharge plan from KWB for submittal to NMOCD.
May 23, 1989	EPNG requested KWB be contracted to provide continuing consulting services on geotechnical issues.
June 7, 1989	EPNG requested ENSR be contracted to conduct a closed pit and groundwater survey.

Date	Activity
June 16, 1989	ENSR submitted a workplan for subsurface investigation/ monitoring well installation to assess the presence of potential soil and groundwater contamination based on Texaco's previous investigations.
August 1989	Groundwater quality assessment was performed by ENSR, including the results of installing ENSR-1 through ENSR-3.
August 18, 1989	NMOCD required that EPNG take corrective action steps concerning the Plant's brine ponds. EPNG applied with NMOCD to exempt one brine pond receiving only brine water and no oil-bearing wastewater from Rule R-8952.
August 31, 1989	EPNG met with NMOCD to discuss Answer data from the groundwater quality report. EPNG provided analytical results from soil samples, and a brief chronology of Texaco's environmental audit. The scope of the geotechnical study was negotiated.
March 21, 1990	EPNG submitted South Region Compliance Engineering's closure plan for two brine storage ponds and for the plugging of gas wells to the NMOCD.
April 4, 1990	NMOCD approved closure plan for the brine storage ponds.
May 1, 1990	KWB began an expanded geohydrological study.
May 24, 1990	EPNG filed a report for the period 11-86 to 5-90 with NMOCD concerning an on- site disposal well that has been inactive during this time.
June 1990	"Proposed scope of work for environmental investigation of the EPNG refinery" was prepared by John Mathes at the request of Meridian Oil, Inc. The purpose of this work is to obtain Phase II data and cost estimate assumptions. Phase I. KWB resampled wells to determine: aquifer characteristics, depth to groundwater, flow direction, hydraulic gradient, and plume configuration.
August 1990	KWB finalized the Phase I report, "Expanded Hydrogeology Study for the Jal 4 Facility." In the report KWB stated that inorganic and organic contaminants were detected above WQCC standards. Computer modelling suggested the contamination plume is migrating to the southeast and is off-site. EPNG was granted an extension by NMOCD until 3-31-91 to close the brine ponds.
October 4, 1990	Results from Phase I investigations indicated that a contamination plume with high. levels of chloride and low levels of benzene exists beneath the plant. The existence of the plume may be due to past plant operations. KWD recommended Phase II activities which include the drilling of three additional monitor wells and the drilling of an observation well to obtain information on aquifer conductivity.
November 1990	Phase II. KWB installed and sampled ACW wells (ACW-1 thorough ACW-3), installed piezometer (PTP-1), performed pump tests, and defined a chloride contamination plume.
January 1991	KWB finalized the Phase II report, "Expanded Hydrogeology Study for the Jal-4 Facility." The report confirmed that the chloride contamination groundwater plume is tied to past operation of the wastewater ponds. KWB suggested that any remediation required must deal with the removal of salts from the groundwater.
February 26, 1991	NMOCD requested EPNG to decide on a plan of action for closing or repairing the brine pits by 3-31-91.

Date	Activity
March 14, 1991	EPNG met with NMOCD to discuss the sale of Jal #4 "B" Plant and propane storage wells to Christie Gas.
March 18, 1991	EPNG notified Christie Gas of the existence of a new discharge plan for the Plant.
March 27, 1991	EPNG submitted a request to NMOCD for time extension to close or repair 2 brine storage ponds.
April 24, 1991	EPNG sent supplemental information to Christie Gas regarding requested information about Jal #4's environmental and other compliance issues.
July 15, 1991	Ownership of 4 LPG storage wells at Jal #4 were transferred from EPNG to Christie Gas.
October 1991	International Technology Corporation submitted an expanded geohydrological study (Phase III) for Jal #4.
December 13, 1991	EPNG sent copies of Jal #4's Discharge Plan to Christie Gas Corporation.
February 5, 1992	BEI performed a "Terrain Conductivity Survey for Jal #4." Readings were unreliable due to interference in the study area.
February 1992	Phase III. BEI determined vertical and horizontal extent of the contamination plume, confirmed EM survey, and made recommendations for remediation.
May 15, 1992	Permission was received from the State of New Mexico to enter state lands to drill three monitoring wells for remediation of chloride contaminated groundwater.
July 7, 1992	BEI installed four new monitoring wells; one at the Plant, and three on state property east of the Plant (ACW-4 through ACW-7).
September 2, 1992	Application sent to State of New Mexico Commissioner of Public Lands to request permission to enter state lands to drill four new groundwater recovery wells as part of Phase IV activities.
November 1992	BEI finalized the Phase Ill report, "Groundwater Study Jal No. 4 Plant." Groundwater analysis detected inorganic and organic contaminants exceeding WQCC standards. The source of the contamination is believed to be from the brine ponds; however, the exact pond or ponds is still unknown.
December 1992	Christie Gas sold the plant to Texas LPG Storage Company.
January 27, 1993	Rights obtained for construction of 2 monitoring wells on Mr. Doom's grazing lease as part Phase IV activities to monitor the extent of off-site chlorine contamination.
March 30, 1993	Meeting between NMOCD and EPNG was held to discuss groundwater study/remediation at Jal #4. EPNG requested this meeting to update NMOCD on Phase III monitoring well installation and sampling results and to discuss Phase IV installation of 4 additional monitoring wells. NMOCD recommended what contaminants EPNG should sample for, requested that a status report be prepared once Phase IV activities are completed, and requested modelling for remedial options.
June 14, 1993	Phase IV. BEI initiated a monitoring well installation program (ACW-8 through ACW-11).
November 18, 1993	BEI finalized the "Phase IV Groundwater Investigation Report, Jal No. 4 Plant." The report recommended the initiation of possible "pump and inject" on-site groundwater recovery and disposal, installation of a monitoring well cluster at the leading edge of the chloride plume, continued quarterly sampling, and an evaluation of the recovery system following a one-year period of operation.

Date	Activity
October 16, 1996	Philip Environmental Submitted Phase II Site Assessment Report detailing the installation and results of installing monitoring wells ACW-12 through ACW-14 and recovery wells RW-1 through RW-2.
January 1997	Groundwater monitoring program began including quarterly and annual sampling with Annual Reporting to the NMOCD.
October 1999	Groundwater Recovery began from RW-01. Monitoring well ACW-15 was installed
January 2000	Groundwater Recovery began from RW-02.
February 6, 2003	Atkins Americas, Inc. prepared a groundwater modelling report.
April 2005	Monitoring wells ACW-3 and ACW-8 pilot tests as groundwater recovery wells.
October 2005	Monitoring wells ACW-3 and ACW-8 were permitted by the NMOSE to be operated as production wells and were configured as permanent recovery wells and made operational.
March 2007	Texas LPG Storage company sold the plant to Western Refining, Inc.
January 2012	Groundwater monitoring continued. The well screen of Shell State #13 was fouled in 2012 and the groundwater recovery system was shut in.
May 2012	The recovery pump became stuck in ENSR-02. The well was plugged and replaced with RW-3.
January 2013	Groundwater monitoring continued, the recovery system was not operated.
January 2014	Groundwater monitoring continued, the recovery system was not operated.
October 2014	Monitoring wells ACW-16 through ACW-21 installed within the plant boundary adjacent to existing wells with alternate screened intervals.
January 2015	Groundwater monitoring continued, the recovery system was not operated.
November 2015	Monitoring wells ACW-22 through ACW-25 were installed east of the plant boundary to further delineate organic and inorganic impacts downgradient from the site. Recovery well RW-4 was installed along the plants eastern border.
January 2016	Groundwater monitoring continued, the recovery system was not operated. The recovery system infrastructure was inspected in 2016. The electrical components are aging significant components need to be replaced or upgraded to meet current engineering standards. The system piping passed pressure testing.
November 9, 2016	Arcadis completed a hydrocarbon treatability study and analyzed the relationship between BTEX biodegradation and Groundwater Salinity at the site to identify the conditions leading to failing of the injection well screen.
2017	Tesoro Corporation acquired Western Refining, Inc. and will operate the facility as Andeavor Corporation.
October 27, 2017	Arcadis completed a site investigation to further define the vertical and horizontal distribution of chloride and hydrocarbon concentrations within the existing monitor well network footprint, access the upper and lower groundwater quality conditions, increase the accuracy of the hydraulic gradient model across the site, and to develop a surface elevation model of the base of the water bearing zone.
2017	Quarterly groundwater monitoring continued at the site.

Date	Activity
2018	Quarterly groundwater monitoring continued at the site.
June-July 2018	Two pairs of nested monitoring wells, ACW-30S/D and ACW-31S/D, were installed east of the Plant across Highway 18.
October 1, 2018	Marathon Petroleum Corp. acquired Andeavor Corp.
2019	Quarterly groundwater monitoring continued at the site.
December 2019	Two sets of paired monitoring wells (ACW-26/ACW-27 and ACW-28/ACW-29) were installed north of the Plant property in December 2019.
2020	Quarterly groundwater monitoring continued at the site.
October-November 2020	Three exploratory soil borings (BH-1 through BH-3) were advanced to the base of the uppermost groundwater bearing unit using roto-sonic drilling methods to collect soil samples for lithologic inspection and soil grain size analysis to facilitate design of remediation extraction wells.
2021	Quarterly groundwater monitoring continued at the site.
November 2021	Two groundwater recovery wells (EW-1 and EW-2) were installed using roto-sonic drilling methods. The recovery wells were developed for future use associated with aquifer pumping tests and groundwater extraction.
2022	Quarterly groundwater monitoring continued at the site.
June 2022	Aquifer testing on both recovery wells EW-1 and EW-2 was performed in June 2022 to assess hydraulic properties of the aquifer in the area downgradient of the Site and to develop estimates of sustainable yields which could be scaled up to the full recovery well system. Step rate tests were performed at each of the two wells individually and a 72-hour constant rate pumping test was performed with both wells operating simultaneously.
2023	Quarterly groundwater monitoring continued at the site.
2024	Quarterly groundwater monitoring continued at the site.

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Appendix B

2024 Quarterly HMI Data

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HMI
Groundwater

Hydrologic Monitoring
1654 W. Sam Houston Pkwy. N.
Houston, Texas 77043

Phone 713.464.5206
Fax 713.464.5207

March 29, 2024

Mr. Wally Gilmore, P.G.
AECOM
19219 Katy Freeway, Suite 100
Houston, Texas 77094

Subject: 1Q24 Groundwater Monitoring, March 27, 2024
Jal #4 Gas Plant
Jal, New Mexico

Dear Mr. Gilmore:

This document summarizes groundwater monitoring field activities conducted by HMI on behalf of El Paso Natural Gas Company (EPNGC) and AECOM at the Jal #4 Gas Plant.

Contents

Field Activities Narrative
Table 1: Gauging Data and Groundwater Field Parameters, March 27, 2024
Groundwater Sampling Forms and Field Instrument Calibration Record, COC
ARF
Groundwater Sampling SOP
Pre-Mobilization Site Notification

Field Activities Narrative

1. HMI equipped the sample well network with HMI-owned dedicated bladder pumps in 2017 to increase sample quality and field efficiencies. HMI requests the opportunity to retrieve these pumps when HMI's monitoring activities are completed at the site.

2. In 2H18, two well nests were installed (ACW-30S + ACW-30D and ACW-32S + ACW-32D). In 2H19, two additional well nests were installed (ACW-26 & ACW-27 and ACW-28 & ACW-29 (ACW-26 is shallow & ACW-27 is deep; ACW-28 is shallow & ACW-29 is deep).

3. Per KM, the larger "annual" event (generally ~36 well sampling + sitewide gauging) is conducted in 3Q, since 2023. The smaller "quarterly" events (sampling scope generally includes ACW-13, 14, 15, Doom Well, and Fmr. Oxy Well sampling + sitewide gauging) are conducted in 1Q, 2Q, and 4Q, since 2023.

4. Groundwater sampling was conducted in accordance with EPA guidelines (Puls and Barcelona, 1996 EPA Guidance on Low-Flow Groundwater Sampling, REV 4, September 19, 2017), and the attached Groundwater Sampling SOP. Low-flow purging was conducted at EPA-recommended purge rates of 0.1 - 0.2 liters/minute. Field parameters of pH, specific conductivity, temperature, dissolved oxygen, and oxidation-reduction potential were monitored at ½-liter intervals, in an air-tight flow-through cell. Turbidity was measured outside the cell. Well drawdown was monitored at the same intervals. Upon field parameter stabilization, the water input tube was disconnected from the flow-through cell, and groundwater samples were collected directly into lab-supplied bottles and placed in iced coolers. The groundwater sampling process is documented on the attached groundwater sampling forms.

5. Field QA/QC Sampling:

   Quarters 1, 2, and 4 Events:
   Dup-01 @ ACW-13 (all analytes)
   (No field blanks requested per ARF)
   Trip Blank-01 (BTEX)

   Quarter 3 Event (represents the larger "annual" event):
   Dup-01 @ ACW-32S (all analytes)
   Dup-02 @ ACW-30D (all analytes)
   Dup-03 @ ACW-20 (all analytes)
   Dup-04 @ ACW-29 (all analytes)
   (No field blanks requested per ARF)
   Trip Blank-01 (BTEX)

6. Since 4Q20 - Eurofins-Pensacola (Cheyenne Whitmire, PM, since 1Q22)
   3355 McLemore Drive, Pensacola, FL 32514
   FedEx account # 2301-5223-3 (in unlikey event no prepaid labels provided by lab)

   Note - Dissolved Gas (*propane*, *methane*, *ethane*, *N-butane*) analyzed in 4Q21

7. WINDCRUSHER^{TM} *ventilated barrel cover* was purchased by Texas-based EPNGC, in Texas, having New Mexico Environment Department (NMED) approval to safely evaporate investigation derived waste (IDW) purgewater generated during environmental investigations at the Jal, New Mexico site. A 55-gallon steel IDW drum is fitted with WINDCRUSHER^{TM} *ventilated barrel cover*, with the drum elevated slightly, inside the overpack containment. The overpack is strapped to the steel rail "cage" near RW-2 (E-side of Hwy), and sits on a wooden pallet. IDW purgewater has evaporated "24/7" since 2020. Ventilating Barrel Contents: (16 gal after 4Q23) was found evaporated to 0 gal; 5 gal added in 1Q24 event, therefore, 5 gal currently).



Jal #4 Gas Plant, Jal, New Mexico – IDW drum (coated inside & out, with Flex-Seal waterproofing protectant



Jal #4 Gas Plant, Jal, New Mexico – IDW purgewater drum with WINDCRUSHER^{TM} ventilated barrel cover successfully evaporates groundwater sampling Purgewater "24-7", since 2020.



5 gal IDW purgewater total after 1Q24

Site notes:

Since 2Q22, HMI shall notify a contact below, in advance of daily activities at Jal #4 Gas Plant (i.e., the plant may be closed - onsite personnel cannot not be expected).
Ricardo Franco, 505-240-7204; rfranco@marathonpetroleum.com., or
"Luis", 575-605-0149.

Per site personnel, since 1Q23, alternate site access may be through specified gate access, if no personnel are onsite, per JM to HMI's GDS.

Well EPNG-01 area gate lock code (2-4-3-3).

Monitor well lock keys are maintained with HMI files.

Fmr OXY Well is sampled at outdoor spigot; Doom Well is sampled at spigot inside of well shed (Mr. Jerold Doom's ranch; nephew-Dylan Doom; follow driveway into ranch, then down to the left; shed on the right).

ACW-19 failed locking mechanism will be repaired by HMI during 2Q24 event:



HMI appreciates the opportunity to assist EPNGC and AECOM with this project. If you have any questions or require additional information please feel free to call us at 713-464-5206.

Sincerely,

HYDROLOGIC MONITORING

Scott C. Ude

Scott C. Ude, P.G.



The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on March 29. 2024.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Greg Scherbenske, P.G., HMI
Brian Hillin, HMI

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
1Q24

Well I.D.	1,2,4Q24 # Wells Sampled	1,2,4Q24 # Wells Gauged	3Q24 # Wells Sampled	3Q24 # Wells Gauged	Ded. Blad Pump	Top of Casing Elev (ft-msl)	Depth to LNAPL (ft-toc)	Depth to Water (ft-toc)	LNAPL Thickness (ft)	DNAPL Thickness (ft)	GW Elev* (ft-msl)	Water Column (ft)	Total Depth (ft-toc)	Stickup (ft)	Screen Interval (ft-bgs)	Sample Intake (ft-toc)	Casing Diam	pH (S.U.)	Temp. (C)	S.C. (umhos)	D.O. (mg/L)	ORP (mV)	Turbidity (NTU)	Water Clarity	Comments
ACW-01		1	1		Yes	3,302.15	NP	105.28	0.00	0.00	3,196.87	30.17	135.45	1.9	110-130	130.5	4" PVC	8.41	20.4	21,200	0.8	-219.9	6.8	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.61	0.00	0.00	3,196.55	19.88	125.49	2.0	98-118	120.5	4" PVC	7.65	21.1	13,260	0.6	-272.7	10.7	Clear	ORP confirmed
ACW-03		3		1	No	3,301.62	NP	105.24	0.00	0.00	3,196.38	29.88	135.12	1.6	112-132	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
ACW-04		4	3		Yes	3,302.05	NP	107.11	0.00	0.00	3,194.94	63.99	171.10	1.7	154-169	169.1	4" PVC	6.52	20.4	86,300	1.8	-149.8	4.7	Clear	
ACW-05		5	4		Yes	3,297.18	NP	103.18	0.00	0.00	3,194.00	14.19	117.37	1.5	105-115	114.4	4" PVC	6.68	20.7	8,390	3.0	-58.6	5.1	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.32	0.00	0.00	3,195.52	15.31	122.63	1.7	110-120	119.6	4" PVC	8.89	20.7	6,030	1.4	-272.6	3.4	Clear	
ACW-07		7	6		Yes	3,297.63	NP	102.34	0.00	0.00	3,195.29	15.05	117.39	1.5	105-115	114.4	4" PVC	7.24	20.6	7,560	1.2	-161.6	3.6	Clear	
ACW-08		8		2	No	3,299.54	NP	103.36	0.00	0.00	3,196.18	56.55	159.91	1.2	140-160	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
ACW-09		9	7		Yes	3,304.69	NP	110.26	0.00	0.00	3,194.43	52.22	162.48	2.4	140-160	159.5	4" PVC	6.29	21.1	27,800	2.3	-232.5	7.2	Clear	
ACW-10		10	8		Yes	3,299.82	NP	106.44	0.00	0.00	3,193.38	56.60	163.04	2.5	140-160	160.0	4" PVC	6.51	20.6	16,900	2.1	77.1	1.9	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.70	0.00	0.00	3,195.94	55.98	161.68	2.1	140-161	159.7	4" PVC	6.37	20.7	39,400	2.3	64.2	3.0	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.36	0.00	0.00	3,192.44	62.57	171.93	2.5	150-170	168.9	4" PVC	6.52	21.9	8,480	1.5	-23.8	5.1	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.36	0.00	0.00	3,192.36	76.26	175.62	2.0	153-173	172.6	4" PVC	7.02	19.7	5,640	1.7	165.8	4.5	Clear	Dup-01 @ ACW-13 (all analytes)
ACW-14	2		12		Yes	3,294.74	NP	100.29	0.00	0.00	3,194.45	75.93	176.22	2.0	157-177	173.2	4" PVC	7.66	19.0	1,665	4.3	131.8	2.0	Clear	
ACW-15	3		13		Yes	3,292.75	NP	102.27	0.00	0.00	3,190.48	69.30	171.57	2.3	150-170	168.6	4" PVC	6.75	20.0	1,373	3.4	182.8	3.4	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.34	0.00	0.00	3,198.55	67.60	176.94	2.4	156-176	174.9	4" PVC	7.11	21.3	29,700	0.6	-160.5	6.4	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.49	0.00	0.00	3,197.68	63.29	171.78	2.6	151-171	169.8	4" PVC	7.00	21.1	14,560	1.4	-159.3	5.7	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.38	0.00	0.00	3,195.77	69.82	177.20	2.5	160-180	175.2	4" PVC	6.42	20.6	119,200	0.6	-80.2	4.6	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.32	0.00	0.00	3,196.36	14.84	121.16	2.2	98-118	119.2	4" PVC	7.07	20.3	10,420	1.7	-193.7	5.4	Clear	HMI to fix locking mechanism, 2Q24
ACW-20		17	18		Yes	3,303.50	NP	108.52	0.00	0.00	3,194.98	65.51	174.03	2.2	154-174	172.0	4" PVC	6.53	20.3	119,800	1.4	-258.8	4.8	Clear	Dup-03 @ ACW-20 (all analytes)
ACW-21		18	19		Yes	3,301.82	NP	105.81	0.00	0.00	3,196.01	14.71	120.52	2.1	98-118	118.5	4" PVC	7.18	20.8	1,820	2.0	-199.7	3.8	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.94	0.00	0.00	3,194.30	13.10	125.04	2.5	102-122	123.0	4" PVC	6.99	21.1	2,200	1.7	-108.7	7.1	Clear	
ACW-23		20	21		Yes	3,306.29	NP	112.01	0.00	0.00	3,194.28	57.70	169.71	2.3	147-167	167.7	4" PVC	7.01	21.2	2,610	1.8	-93.4	5.7	Clear	
ACW-24		21	22		Yes	3,305.56	NP	111.22	0.00	0.00	3,194.34	77.90	189.12	2.2	166-186	187.1	4" PVC	6.11	20.9	112,200	1.2	36.9	2.6	Clear	
ACW-25		22	23		Yes	3,297.59	NP	103.32	0.00	0.00	3,194.27	71.36	174.68	2.1	151-171	172.7	4" PVC	6.44	20.5	53,200	2.6	-45.7	13.7	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.43	0.00	0.00	3,198.84	20.17	130.60	1.6	103-128	125.6	4"PVC	7.21	20.2	1,861	2.2	-18.1	3.7	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.42	0.00	0.00	3,198.80	66.78	177.20	1.8	160-180	167.2	4"PVC	6.99	20.3	3,870	2.9	-65.2	3.5	Clear	
ACW-28		25	26		Yes	3,306.49	NP	109.04	0.00	0.00	3,197.45	19.26	128.30	1.8	102-127	123.3	4"PVC	6.98	19.9	527	3.6	124.2	3.7	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.91	0.00	0.00	3,197.44	67.88	176.79	1.8	160-180	166.8	4"PVC	7.05	19.8	630	2.9	125.7	3.6	Clear	Dup-04 @ ACW-29 (all analytes)
ACW-30S		27	28		Yes	3,300.17	NP	104.52	0.00	0.00	3,195.65	17.98	122.50	2.3	95-120	117.5	3" PVC	7.05	20.2	764	4.4	97.4	4.4	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.79	0.00	0.00	3,195.36	82.64	187.43	2.3	165-185	177.4	3" PVC	6.33	20.1	40,200	1.3	-206.7	3.2	Clear	Dup-02 @ ACW-30D (all analytes)
ACW-32S		28	30		Yes	3,299.60	NP	107.00	0.00	0.00	3,192.60	15.33	122.33	2.5	95-120	117.3	3" PVC	7.77	20.8	2,920	2.9	98.9	7.6	Clear	Dup-01 @ ACW-32S (all analytes)
ACW-32D		29	31		Yes	3,299.61	NP	106.96	0.00	0.00	3,192.65	65.68	172.64	2.5	150-170	162.6	3" PVC	7.80	21.0	1,503	1.3	176.5	5.0	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.44	16.2	676	2.8	-28.2	4.9	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.68	0.00	0.00	3,199.03	47.67	155.35	1.6	123-148	150.4	4" PVC	6.90	21.6	18,700	2.0	-95.2	8.1	Clear	
ENSR-03		31		3	No	3,305.05	NP	107.18	0.00	0.00	3,197.87	47.92	155.10	1.5	123-148	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
EPNG-01		32	34		Yes	3,310.03	NP	109.27	0.00	0.00	3,200.76	54.66	163.93	AG	120-160	160.9	6" Steel	7.92	20.6	844	3.1	-85.9	2.2	Clear	
Fmr OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.48	14.4	1,500	2.0	-34.9	3.9	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.72	0.00	0.00	3,197.95	NM	136.09	2.3	110-130	131.1	2" PVC	6.68	20.6	1,626	0.7	-174.4	5.3	Clear	
RW-01		34		4	No	3,302.16	NP	105.59	0.00	0.00	3,196.57	76.04	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.32	0.00	0.00	3,194.39	64.33	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.28	0.00	0.00	3,196.37	71.41	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		37		7	No	3,303.26	NP	108.56	0.00	0.00	3,194.70	67.60	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted March 27, 2024
Top of casing survey data, per Piper Surveying, 2/9/16, revised 7/23/18, per AECOM email 9-11-18
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, AG = At-Grade Surface Completion
ACW-30S, ACW-30D, ACW-32S, and ACW-32D (installed in 2H18), equipped with HMI-owned bladder sampling pumps; ACW-32S & 32D sampled quarterly, per EPNG, 7-10-20; then "not sampled since 1Q21"
ACW-26, ACW-27, ACW-28, and ACW-29 (installed 2H19), equipped with HMI-owned bladder sampling pumps; these wells to be sampled during 4Q (large) events ongoing, per EPNG
* GW elevation data uncorrected for ave. density of water column as a function of TDS

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+ Dup-01

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-13

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
3/27/24	910	NP	99.36	0.00	0.00	175.62	172.6	153-173				Weather: P/Cloudy 40°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
3/27/24	915	99.41	0.5	7.27	19.8	5160	4.1	169.9	7.4	Low-flow purge-sample with	Clear
	917	99.43	1.0	7.25	19.8	5240	3.8	172.7	6.5	HMI's dedicated bladder pump	
	920	99.45	1.5	7.03	19.8	5580	2.4	174.0	6.1		
	923	99.47	2.0	7.02	19.8	5590	2.2	173.1	5.9		
	925	99.49	2.5	7.00	19.8	5610	1.9	169.8	5.2		
	927	99.50	3.0	7.00	19.8	5620	1.8	168.6	4.7		
	930	99.51	3.5	7.01	19.7	5630	1.8	167.2	4.5		
	933	99.52	4.0	7.02	19.7	5640	1.7	165.8	4.5		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
3/27/24	935	ACW-13	99.52	7.02	19.7	5640	1.7	165.8	4.5	Per COC	Per Lab	Lab: Eurofins TA, Pensacola
	900	DUP-01	99.52	7.02	19.7	5640	1.7	165.8	4.5	"	"	

Received by OCD: 3/27/2025 11:08:08 AM
Released to Imaging: 9/2/2025 11:15:22 AM

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-14

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
3/27/24	1000	NP	100.29	0.00	0.00	176.22	173.2	157-177				Weather: PT/Cloudy 48

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
3/27/24	1005	100.39	0.5	7.87	19.0	1802	5.3	126.0	3.8	Low-flow purge-sample with	clear
	1007	100.44	1.0	7.79	19.0	1737	4.8	128.3	3.5	HMI's dedicated bladder pump	
	1010	100.48	1.5	7.75	19.0	1674	4.8	128.9	3.3		
	1013	100.50	2.0	7.70	19.1	1670	4.6	129.7	3.0		
	1015	100.51	2.5	7.68	19.1	1668	4.5	129.8	2.9		
	1017	100.51	3.0	7.67	19.1	1667	4.5	130.2	2.8		
	1020	100.51	3.5	7.66	19.1	1665	4.4	131.4	2.5		
	1023	100.51	4.0	7.66	19.0	1665	4.3	131.8	2.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
3/27/24	1025	ACW-14	100.51	7.66	19.0	1665	4.3	131.8	2.0	Per COC	Per Lab	Lab: Eurofins TA, Pensacola

Received by OCD: 3/27/2025 11:08:08 AM
Released to Imaging: 9/2/2025 11:15:22 AM

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-15

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
3/27/24	800	NP	102.27	0.00	0.00	171.57	168.6	150-170				Weather: PC/cloudy 40s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
3/27/24	805	102.32	0.5	6.98	19.0	1381	4.8	193.6	6.6	Low-flow purge-sample with	Clear
	807	102.32	1.0	6.85	19.1	1375	4.4	193.3	5.8	HMI's dedicated bladder pump	
	810	102.32	1.5	6.81	19.1	1379	4.2	191.6	5.5		
	813	102.32	2.0	6.78	19.1	1379	4.0	187.8	4.7		
	815	102.32	2.5	6.77	19.2	1377	3.8	185.2	4.2		
	817	102.32	3.0	6.76	19.2	1375	3.6	184.3	3.9		
	820	102.32	3.5	6.76	19.2	1374	3.5	183.8	3.6		
	823	102.32	4.0	6.75	20.0	1373	3.4	182.8	3.4		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
3/27/24	825	ACW-15	102.32	6.75	20.0	1373	3.4	182.8	3.4	Per COC	Per Lab	Lab: Eurofins TA, Pensacola

Received by OCD: 3/27/2025 11:08:08 AM
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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: Doom Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJD/BB
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
3/27/24	810	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny's 40's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
3/27/24	815	NA	1.0	7.49	15.1	716	3.9	-18.6	8.6	Mr. Doom's water supply well;	Clear
"	816	"	2.0	7.46	15.4	698	3.3	-24.2	6.3	sampled at spigot inside	"
"	817	"	3.0	7.46	15.9	682	2.9	-27.9	5.1	Mr. Doom's shed; purged	"
"	818	"	4.0	7.44	16.2	676	2.8	-28.2	4.9	4 gal prior to sampling	"

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
3/27/24	820	Doom Well	NA	7.44	16.2	676	2.8	-28.2	4.9	Per COC	Per Lab	Lab: Eurofins TA, Pensacola

Received by OCD: 3/27/2025 11:08:08 AM
Released to Imaging: 9/2/2025 11:15:22 AM

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: OXY Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJD/BB
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
3/27/24	900	NA	NA	NA	NA	NA	NA	NA				
												Weather: Sunny 40's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
3/27/24	905	NA	1.0	7.54	12.9	1568	2.6	-13.9	5.8	OXY bldg. water supply well;	Clear
↓	906	↓	2.0	7.51	14.0	1537	2.3	-22.7	4.2	sampled at outdoor spigot (to	"
↓	907	↓	3.0	7.49	14.4	1501	2.1	-30.2	4.0	right of front door; pliers may be	"
↓	908	↓	4.0	7.48	14.4	1500	2.0	-34.9	3.9	needed); purge 4 gal prior to	"
										sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
3/27/24	910	OXY Well	NA	7.48	14.4	1500	2.0	-34.9	3.9	Per COC	Per Lab	Lab: Eurofins TA. Pensacola

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Instrument Calibration Log

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Hydrologic Monitoring

Date	Time	pH Hanna (Std. units)	Specific Conductivity Hanna (umho/cm)	Dissolved Oxygen Hanna (Slope Cal. in saturated air)	Turbidity Lamotte (NTU)	ORP Hanna HI 7020 Soln (200-275 mV)		Initials / Comments
3/27/24	730	4.01/7.00	1,000	100%	10.0	238.9		AD
3/27/24	735	4.01/7.00	1,000	100%	10.0	250.2		TAB

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Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

FedEx: 6339 6600 7722

eurofins | Environment Testing

Client Information	Sampler: Scott Ude + HMI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-128642-43299.1
Client Contact: Joe Wiley	Phone: 832-347-4521	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 1
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_1Q2024			
Project Name: Jal #4 Gas Plant RWIP (1Q24)	Project #: 40012867			
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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	N	D		
ACW-13	3/27/25	935	G	Water	N	N	✓	✓	✓	✓	✓		
ACW-14		1025		Water			✓	✓	✓	✓	✓		
ACW-15		825		Water			✓	✓	✓	✓	✓		
Doom well		820		Water			✓	✓	✓	✓	✓		
Oxy well		910		Water			✓	✓	✓	✓	✓		
Dup-01		900		Water			✓	✓	✓	✓	✓		
Trip Blank-01		—		Water					✓				

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: 3/27/25 1200	Company: HMI	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

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KINDER MORGAN

Analytical Request Form (ARF)

Project Information

KM Entity Name: EPNG

Laboratory Name: Eurofins Environment Testing Southeast Lab Location: Pensacola, FL

Is This A KM Program Laboratory? **YES** X **No** ____

Project / AOC Name (**Match ENFOS AOC**): Jal #4 Gas Plant RWIP

Consultant: AECOM

ARF Initiator Name: Wally Gilmore

Date: 3/5/2024

Scope of Sampling: Quarterly Groundwater Sampling

Remediation Department Project: Yes **Non-Remediation Department Project:** ____

Remediation Department Sampling Projects - To Be Invoiced in Enfos

Work Directive Must be in Place and Information Below Provided By the Kinder Morgan Project Manager PRIOR TO COMPLETION of this ARF

Laboratory's Work Directive #: WD1040015

Lab Cost Cluster: CC06_Monitoring **Lab** Subtask: Lab - I

Non-Program Laboratories
Non-Remediation Dept. Sampling

Email invoice to KM Project Manager ____ Invoice in Ariba ____ Invoice Consultant ____

Sample Event Description and Contaminants of Concern: 1st Quarter 2024 -BTEX, Chloride, Sodium, TDS, Specific Conductance

Site Address / Location: 9 Miles North of Jal, NM on Hwy 18

City: Jal State: NM Country: USA

Regulatory Agency: NMOCD

Project Type (RCRA, CERCLA, TRRP, etc.): ____

Anticipated Start Date: 3/27/2024 Anticipated Completion Date: 3/27/2024

Frequency of Sampling: Quarterly Sampling Plan Attached? **(Y/N)**: No

Are there Additional Requests/ Special Instructions on Page 2? **(Y / N)** No

Title(s)/Date(s) of attached sampling information:

Project Management Contacts

KM Contact

KM Project Manager: Joe Wiley ☑ Copy on ARF Distribution

KM Office Location: Houston, TX 77002

Address: 1001 Louisiana, Room 1445B
Houston, TX 77002

Phone : 713-420-3475 E-mail: Joe_Wiley@KinderMorgan.com

Consultant Contact

Consultant Company Name: AECOM ☑ Copy on ARF Distribution

Consultant Project Manager: Wally Gilmore

Consultant PM Office Location: Houston, TX

Address: 19219 Katy Freeway, Suite 100
Houton, TX 77094

Phone : 713-542-9523 E-mail: wallace.gilmore@aecom.com

Laboratory Contact

Laboratory Name / Location: Eurofins Environment Testing Southeast ☑ Copy on ARF Distribution

Laboratory Project Manager: Cheyenne R. Whitmire

Lab PM Office Location: Pensacola, FL

Address: 3355 McLemore Drive
Pensacola, FL 32514

Phone : 850-471-6222 E-mail: Cheyenne.Whitmire@Eurofinset.com

Additional Parties to Receive ARF:

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Data Deliverables

Data Package Deliverables supplied to: Wally Gilmore - AECOM

Required Data Deliverables Format(s): PDF X Hard Copy ____ Other - Specify ____
Excel X Equis ____

Size Limitation of deliverable for e-mail: 5 MB Unlimited ____

Forward the Electronic Data Deliverables to:

Company	Contact Name	E-Mail Address
AECOM	Wally Gilmore	wallace.gilmore@aecom.com

Special Instructions for data package or electronic deliverable?: Enter special instructions below - 4 text lines available:

Laboratory Cost Sheets

Does the Kinder Morgan Project Manager want the Lab Cost Sheet completed by the laboratory? **Yes** ____ **No** XXX

COST SHEETS CAN ONLY BE RETURNED DIRECTLY TO THE KM PROJECT MANAGER - CANNOT BE SENT TO CONSULTANTS
LABORATORY CONTRACT CONFIDENTIALITY REQUIREMENTS PROHIBIT DISTRIBUTION OF COSTS BY LAB OUTSIDE KINDER MORGAN

Record of ARF Initiation and Revisions

ARF Initiator:	Name:	Wally Gilmore	Date:	3/5/2024
Laboratory Acceptance:	Name:		Date:	
Revision 1:	Name:		Date:	
	Types of Changes:			
Revision 2:	Name:		Date:	
	Types of Changes:			
Revision 3:	Name:		Date:	
	Types of Changes:			
Revision 4:	Name:		Date:	
	Types of Changes:			

LAB USE ONLY

Laboratory Internal Project Number: ____

Parameters and Analytical Methods Requested **SINGLE SAMPLE EVENT** *Unless otherwise noted, all fields should be completed by ARF Initiator.* ARF Version 8 _2-14-2023

Projected Analytical Plan & Number of Samples to be Collected

Matrix Codes: A=Air W=Water S=Soil WP=wipe O=Oil OT=Other

Compound List or Parameter	Analytical Method	Matrix Code	DP/TAT Level Code	Number of Investigatory Samples	Number of Samples for Hold/Archival	Quality Control Samples: MS/MSD Pairs	Quality Control Samples: Trip Blanks	Quality Control Samples: Number of Rinse, Equipment, and Field Blanks	Quality Control Samples: Field Duplicates	Total Number of Samples Expected	Laboratory Use Only: Number of Samples Received by Laboratory	Laboratory Use Only: Total Number of Samples Analyzed
BTEX	8260B	W	L2/28D	5	0	0	1	0	1	**7**		
Total Dissolved Solids	SM 2540C	W	L2/28D	5	0	0	0	0	1	**6**		
Chloride	EPA SW846 9056	W	L2/28D	5	0	0	0	0	1	**6**		
Sodium	PA SW846 6010	W	L2/28D	5	0	0	0	0	1	**6**		
Specific Conductance	EPA 120.1	W	L2/28D	5	0	0	0	0	1	**6**		
										0		
										0		
										0		
										0		
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										0		
										0		

Sampling Frequency: ***SINGLE SAMPLE EVENT ONLY***

Are special regulatory requirements, detection limits or action levels needed? Standard method detection limits.

SW-846 Method 5035 volatile organic analyses requested **(Y / N)**? No If yes, what container is required? Tared Vials _____ Methanol Vials _____ 4-oz. jars _____

EnCore Kits _____ Terra Core Kits _____ Other _____

Is there an approved QAPP? **(Y / N)** No IF YES - FORWARD TO LABORATORY Title: _____

Revision/Date _____

Reporting of estimated values "J" required for results less than the reporting limit required? Yes X No _____

Are tentatively identified compounds (TICs) required? YES _____ Volatiles _____ Semivolatiles _____

Sample retention time (post reporting): 30 days (standard) X Other - Specify Retention Time _____

Ship Bottles to:		**Shipping Return:**	
Company	HMI	FedEx _____ UPS _____	Laboratory Courrier _____
Contact Name	Scott Ude	Sample Crew Drop Samples at Laboratory _____	Other - Specify: _____
Location Name			
Street Address	1654 W Sam Houston Pkwy N	**Saturday Delivery** _____	
City, State, Zip	Houston, Texas 77043		
Phone Number	713-714-1624		
Date/Time Bottles Required		**3/12/2024**	

Additional Requests and Instructions

Please have sampling kits and return shipping labels delivered to HMI by March 12, 2024.

Phone Logs and Project Correspondence

HMI
Groundwater

Hydrologic Monitoring
1654 W. Sam Houston Pkwy. N.
Houston, Texas 77043

Phone 713.464.5206
Fax 713.464.5207

M E M O R A N D U M

Low-Flow Groundwater Sampling Procedures
El Paso Natural Gas Company
Jal #4 Gas Plant, Lea County, New Mexico

HMI conducts low-flow groundwater sampling in accordance with TCEQ and EPA guidelines (Puls and Barcelona, 1996 EPA Guidance on Low-Flow Groundwater Sampling, REV 4, September 19, 2017).

Groundwater Sampling Methodology

HMI conducts low-flow groundwater sampling using bladder pumps and polyethylene tubing dedicated in sampled wells at the site, during its first groundwater sampling event at the site in March 2017. Pumps were dedicated in the wells to increase sample quality and field efficiency, and remain property of HMI. HMI would appreciate the opportunity to retrieve the pumps at such time that HMI no longer conducts monitoring at the site.

Purging commences through a sealed flow-through cell at EPA-recommended purge rates (generally 0.1 to 0.2 liters/minute), selected to limit the monitored drawdown during the purging process. Each HMI flow-through cell has a volume of 0.5 liters. Field parameter readings are collected at 0.5-liter intervals (the equivalent of one cell volume "turnover"). Field parameters of pH, specific conductivity, temperature, dissolved oxygen, and oxidation-reduction potential are monitored inside the cell. Turbidity is monitored outside of the cell. Purging continues until a requisite volume of groundwater is purged (a minimum of 3,000 ml or six flow-through cell volumes), and field parameters have stabilized in accordance with the EPA guidance below:

Water Quality Parameters (Stabilization Parameters in Accordance with EPA (2002), Groundwater Sampling Guidelines for Superfund and RCRA Project Managers, Yeskis & Zavala, EPA/542:S-02/001)

- pH +/- 0.1 units;
- Temperature -
- Conductivity +/- 3%
- Dissolved Oxygen +/- 0.3 mg/L
- ORP +/- 10%
- Turbidity 10%

Groundwater samples are collected directly into laboratory-supplied containers. Groundwater samples are placed in iced coolers, and remain in HMI custody until delivery to the laboratory.

Decontamination Procedures

Non-dedicated equipment, (i.e., only the electronic water level probe for this project) is properly decontaminated prior to use and between wells. The decontamination procedure for the water level probe consists of a spray of isopropanol (likely not warranted at this site), followed by a thorough wash in distilled water and Liquinox non-phosphate soap, with a final distilled water. The probe is allowed to air dry.

HMI Deliverables

HMI provides thorough field documentation of groundwater monitoring activities performed, including groundwater sampling forms, field equipment calibration logs, a brief field narrative, and an Excel table summarizing gauging data and groundwater field parameters.

Emergency Contacts

Jal Police	575-395-2501
Jal Fire/Rescue	575-395-2221
Lea Co Sheriff	575-396-3611
Emergency	911

Location

Address:	Hwy 18 mile marker 18 & Deep Wells Rd
GPS Main Gate:	32.253734, -103.193437
GPS East Gate:	32.253353, -103.189635

Operators

1ST Ricardo RFranco2@ll 505-240-7204

~~1ST Jesse JMoore6@MARATHON PETROLEUM.com 575-725-1797/432-257-9687~~ [redacted] cell

2ND Luis 575-605-0149

HMI
Groundwater

Hydrologic Monitoring
1654 W. Sam Houston Pkwy. N.
Houston, Texas 77043

Phone 713.464.5206
Fax 713.464.5207

June 7, 2024

Mr. Wally Gilmore, P.G.
AECOM
19219 Katy Freeway, Suite 100
Houston, Texas 77094

Subject: 2Q24 Groundwater Monitoring, June 5, 2024
Jal #4 Gas Plant
Jal, New Mexico

Dear Mr. Gilmore:

This document summarizes groundwater monitoring field activities conducted by HMI on behalf of El Paso Natural Gas Company (EPNGC) and AECOM at the Jal #4 Gas Plant.

Contents

Field Activities Narrative
Table 1: Gauging Data and Groundwater Field Parameters, June 5, 2024
Groundwater Sampling Forms and Field Instrument Calibration Record, COC
ARF
Groundwater Sampling SOP
Pre-Mobilization Site Notification

Field Activities Narrative

1. HMI equipped the sample well network with HMI-owned dedicated bladder pumps in 2017 to increase sample quality and field efficiencies. HMI requests the opportunity to retrieve these pumps when HMI's monitoring activities are completed at the site.

2. In 2H18, two well nests were installed (ACW-30S + ACW-30D and ACW-32S + ACW-32D). In 2H19, two additional well nests were installed (ACW-26 & ACW-27 and ACW-28 & ACW-29 (ACW-26 is shallow & ACW-27 is deep; ACW-28 is shallow & ACW-29 is deep).

3. Per KM, the larger "annual" event (generally ~36 well sampling + sitewide gauging) is conducted in 3Q, since 2023. The smaller "quarterly" events (sampling scope generally includes ACW-13, 14, 15, Doom Well, and Fmr. Oxy Well sampling + sitewide gauging) are conducted in 1Q, 2Q, and 4Q, since 2023.

4. Groundwater sampling was conducted in accordance with EPA guidelines (Puls and Barcelona, 1996 EPA Guidance on Low-Flow Groundwater Sampling, REV 4, September 19, 2017), and the attached Groundwater Sampling SOP. Low-flow purging was conducted at EPA-recommended purge rates of 0.1 - 0.2 liters/minute. Field parameters of pH, specific conductivity, temperature, dissolved oxygen, and oxidation-reduction potential were monitored at ½-liter intervals, in an air-tight flow-through cell. Turbidity was measured outside the cell. Well drawdown was monitored at the same intervals. Upon field parameter stabilization, the water input tube was disconnected from the flow-through cell, and groundwater samples were collected directly into lab-supplied bottles and placed in iced coolers. The groundwater sampling process is documented on the attached groundwater sampling forms.

5. Field QA/QC Sampling:

   Quarters 1, 2, and 4 Events:
   Dup-01 @ ACW-13 (all analytes)
   (No field blanks requested per ARF)
   Trip Blank-01 (BTEX)

   Quarter 3 Event (represents the larger "annual" event):
   Dup-01 @ ACW-32S (all analytes)
   Dup-02 @ ACW-30D (all analytes)
   Dup-03 @ ACW-20 (all analytes)
   Dup-04 @ ACW-29 (all analytes)
   (No field blanks requested per ARF)
   Trip Blank-01 (BTEX)

6. Since 4Q20 - Eurofins-Pensacola (Cheyenne Whitmire, PM, since 1Q22)
   3355 McLemore Drive, Pensacola, FL 32514
   FedEx account # 2301-5223-3 (in unlikey event no prepaid labels provided by lab)

   Note - Dissolved Gas (*propane*, *methane*, *ethane*, *N-butane*) analyzed in 4Q21

7. WINDCRUSHER™ *ventilated barrel cover* was purchased by Texas-based EPNGC, in Texas, having New Mexico Environment Department (NMED) approval to safely evaporate investigation derived waste (IDW) purgewater generated during environmental investigations at the Jal, New Mexico site. A 55-gallon steel IDW drum is fitted with WINDCRUSHER™ *ventilated barrel cover*, with the drum elevated slightly, inside an overpack drum. The overpack drum sits on a wooden pallet and is strapped to a steel rail "cage" near RW-2 (E-side of Hwy). IDW purgewater is evaporating "24/7" since 2020. Ventilating Barrel Contents: (16 gal after 4Q23) was evaporated to dry in 1Q24; 5 gal added in 1Q24 was evaporated to dry in 2Q24; 5 gal added in 2Q24).



Jal #4 Gas Plant, Jal, New Mexico – IDW drum (coated inside & out, with Flex-Seal waterproofing protectant



Jal #4 Gas Plant, Jal, New Mexico – IDW purgewater drum with WINDCRUSHER™ ventilated barrel cover successfully evaporates groundwater sampling purgewater "24-7", since 2020



Inside of IDW purgewater drum (fully dry), prior to the 2Q24 5 gal added purgewater

Site notes:

Since 2Q22, HMI shall notify a contact below, in advance of daily activities at Jal #4 Gas Plant (i.e., the plant may be closed - onsite personnel cannot not be expected).
Ricardo Franco, 505-240-7204; rfranco@marathonpetroleum.com., or
"Luis", 575-605-0149.

Per site personnel, since 1Q23, alternate site access may be through specified gate access, if no personnel are onsite, per JM to HMI's GDS.

Well EPNG-01 area gate lock code (2-4-3-3).

Monitor well lock keys are maintained with HMI files.

Fmr OXY Well is sampled at outdoor spigot; Doom Well is sampled at spigot inside of well shed (Mr. Jerold Doom's ranch; nephew-Dylan Doom; follow driveway into ranch, then down to the left; shed on the right).



ACW-19 locking mechanism repaired by HMI during 2Q24 event

HMI appreciates the opportunity to assist EPNGC and AECOM with this project. If you have any questions or require additional information please feel free to call us at 713-464-5206.

Sincerely,

HYDROLOGIC MONITORING

Scott C. Ude



Scott C. Ude, P.G.

The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on June 7, 2024.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Greg Scherbenske, P.G., HMI
Brian Hillin, HMI
Mason Bond, HMI

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
2Q24

Well I.D.	1,2,4Q24 # Wells Sampled	1,2,4Q24 # Wells Gauged	3Q24 # Wells Sampled	3Q24 # Wells Gauged	Ded. Blad Pump	Top of Casing Elev (ft-msl)	Depth to LNAPL (ft-toc)	Depth to Water (ft-toc)	LNAPL Thickness (ft)	DNAPL Thickness (ft)	GW Elev* (ft-msl)	Water Column (ft)	Total Depth (ft-toc)	Stickup (ft)	Screen Interval (ft-bgs)	Sample Intake (ft-toc)	Casing Diam	pH (S.U.)	Temp. (C)	S.C. (umhos)	D.O. (mg/L)	ORP (mV)	Turbidity (NTU)	Water Clarity	Comments
ACW-01		1	1		Yes	3,302.15	NP	105.25	0.00	0.00	3,196.90	30.20	135.45	1.9	110-130	130.5	4" PVC	8.41	20.4	21,200	0.8	-219.9	6.8	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.65	0.00	0.00	3,196.51	19.84	125.49	2.0	98-118	120.5	4" PVC	7.65	21.1	13,260	0.6	-272.7	10.7	Clear	ORP confirmed
ACW-03		3		1	No	3,301.62	NP	105.18	0.00	0.00	3,196.44	29.94	135.12	1.6	112-132	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
ACW-04		4	3		Yes	3,302.05	NP	107.05	0.00	0.00	3,195.00	64.05	171.10	1.7	154-169	169.1	4" PVC	6.52	20.4	86,300	1.8	-149.8	4.7	Clear	
ACW-05		5	4		Yes	3,297.18	NP	103.10	0.00	0.00	3,194.08	14.27	117.37	1.5	105-115	114.4	4" PVC	6.68	20.7	8,390	3.0	-58.6	5.1	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.27	0.00	0.00	3,195.57	15.36	122.63	1.7	110-120	119.6	4" PVC	8.89	20.7	6,030	1.4	-272.6	3.4	Clear	
ACW-07		7	6		Yes	3,297.63	NP	102.31	0.00	0.00	3,195.32	15.08	117.39	1.5	105-115	114.4	4" PVC	7.24	20.6	7,560	1.2	-161.6	3.6	Clear	
ACW-08		8		2	No	3,299.54	NP	103.32	0.00	0.00	3,196.22	56.59	159.91	1.2	140-160	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
ACW-09		9	7		Yes	3,304.69	NP	110.23	0.00	0.00	3,194.46	52.25	162.48	2.4	140-160	159.5	4" PVC	6.29	21.1	27,800	2.3	-232.5	7.2	Clear	
ACW-10		10	8		Yes	3,299.82	NP	106.40	0.00	0.00	3,193.42	56.64	163.04	2.5	140-160	160.0	4" PVC	6.51	20.6	16,900	2.1	77.1	1.9	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.66	0.00	0.00	3,195.98	56.02	161.68	2.1	140-161	159.7	4" PVC	6.37	20.7	39,400	2.3	64.2	3.0	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.38	0.00	0.00	3,192.42	62.55	171.93	2.5	150-170	168.9	4" PVC	6.52	21.9	8,480	1.5	-23.8	5.1	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.30	0.00	0.00	3,192.42	76.32	175.62	2.0	153-173	172.6	4" PVC	6.75	23.2	4,630	2.8	153.9	2.0	Clear	Dup-01 @ ACW-13 (all analytes)
ACW-14	2		12		Yes	3,294.74	NP	100.24	0.00	0.00	3,194.50	75.98	176.22	2.0	157-177	173.2	4" PVC	6.34	24.7	1,688	3.8	121.0	1.9	Clear	pH confirmed
ACW-15	3		13		Yes	3,292.75	NP	102.22	0.00	0.00	3,190.53	69.35	171.57	2.3	150-170	168.6	4" PVC	6.64	22.9	1,267	3.2	163.5	3.7	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.33	0.00	0.00	3,198.56	67.61	176.94	2.4	156-176	174.9	4" PVC	7.11	21.3	29,700	0.6	-160.5	6.4	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.45	0.00	0.00	3,197.72	63.33	171.78	2.6	151-171	169.8	4" PVC	7.00	21.1	14,560	1.4	-159.3	5.7	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.34	0.00	0.00	3,195.81	69.86	177.20	2.5	160-180	175.2	4" PVC	6.42	20.6	119,200	0.6	-80.2	4.6	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.28	0.00	0.00	3,196.40	14.88	121.16	2.2	98-118	119.2	4" PVC	7.07	20.3	10,420	1.7	-193.7	5.4	Clear	Locking mechanism repaired in 2Q24
ACW-20		17	18		Yes	3,303.50	NP	108.49	0.00	0.00	3,195.01	65.54	174.03	2.2	154-174	172.0	4" PVC	6.53	20.3	119,800	1.4	-258.8	4.8	Clear	Dup-03 @ ACW-20 (all analytes)
ACW-21		18	19		Yes	3,301.82	NP	105.78	0.00	0.00	3,196.04	14.74	120.52	2.1	98-118	118.5	4" PVC	7.18	20.8	1,820	2.0	-199.7	3.8	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.90	0.00	0.00	3,194.34	13.14	125.04	2.5	102-122	123.0	4" PVC	6.99	21.1	2,200	1.7	-108.7	7.1	Clear	
ACW-23		20	21		Yes	3,306.29	NP	111.97	0.00	0.00	3,194.32	57.74	169.71	2.3	147-167	167.7	4" PVC	7.01	21.2	2,610	1.8	-93.4	5.7	Clear	
ACW-24		21	22		Yes	3,305.56	NP	111.16	0.00	0.00	3,194.40	77.96	189.12	2.2	166-186	187.1	4" PVC	6.11	20.9	112,200	1.2	36.9	2.6	Clear	
ACW-25		22	23		Yes	3,297.59	NP	103.28	0.00	0.00	3,194.31	71.40	174.68	2.1	151-171	172.7	4" PVC	6.44	20.5	53,200	2.6	-45.7	13.7	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.42	0.00	0.00	3,198.85	20.18	130.60	1.6	103-128	125.6	4"PVC	7.21	20.2	1,861	2.2	-18.1	3.7	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.41	0.00	0.00	3,198.81	66.79	177.20	1.8	160-180	167.2	4"PVC	6.99	20.3	3,870	2.9	-65.2	3.5	Clear	
ACW-28		25	26		Yes	3,306.49	NP	109.04	0.00	0.00	3,197.45	19.26	128.30	1.8	102-127	123.3	4"PVC	6.98	19.9	527	3.6	124.2	3.7	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.86	0.00	0.00	3,197.49	67.93	176.79	1.8	160-180	166.8	4"PVC	7.05	19.8	630	2.9	125.7	3.6	Clear	Dup-04 @ ACW-29 (all analytes)
ACW-30S		27	28		Yes	3,300.17	NP	104.48	0.00	0.00	3,195.69	18.02	122.50	2.3	95-120	117.5	3" PVC	7.05	20.2	764	4.4	97.4	4.4	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.76	0.00	0.00	3,195.39	82.67	187.43	2.3	165-185	177.4	3" PVC	6.33	20.1	40,200	1.3	-206.7	3.2	Clear	Dup-02 @ ACW-30D (all analytes)
ACW-32S		28	30		Yes	3,299.60	NP	106.80	0.00	0.00	3,192.80	15.53	122.33	2.5	95-120	117.3	3" PVC	7.77	20.8	2,920	2.9	98.9	7.6	Clear	Dup-01 @ ACW-32S (all analytes)
ACW-32D		29	31		Yes	3,299.61	NP	106.95	0.00	0.00	3,192.66	65.69	172.64	2.5	150-170	162.6	3" PVC	7.80	21.0	1,503	1.3	176.5	5.0	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.65	22.3	690	2.7	-119.5	5.0	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.64	0.00	0.00	3,199.07	47.71	155.35	1.6	123-148	150.4	4" PVC	6.90	21.6	18,700	2.0	-95.2	8.1	Clear	
ENSR-03		31		3	No	3,305.05	NP	107.13	0.00	0.00	3,197.92	47.97	155.10	1.5	123-148	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
EPNG-01		32	34		Yes	3,310.03	NP	109.22	0.00	0.00	3,200.81	54.71	163.93	AG	120-160	160.9	6" Steel	7.92	20.6	844	3.1	-85.9	2.2	Clear	
Fmr OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.47	22.5	1,367	1.9	-54.8	3.3	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.71	0.00	0.00	3,197.96	NM	136.09	2.3	110-130	131.1	2" PVC	6.68	20.6	1,626	0.7	-174.4	5.3	Clear	
RW-01		34		4	No	3,302.16	NP	105.95	0.00	0.00	3,196.21	75.68	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.22	0.00	0.00	3,194.49	64.43	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.22	0.00	0.00	3,196.43	71.47	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		37		7	No	3,303.26	NP	108.50	0.00	0.00	3,194.76	67.66	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted June 5, 2024
Top of casing survey data, per Piper Surveying, 2/9/16, revised 7/23/18, per AECOM email 9-11-18
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, AG = At-Grade Surface Completion
ACW-30S, ACW-30D, ACW-32S, and ACW-32D (installed in 2H18), equipped with HMI-owned bladder sampling pumps; ACW-32S & 32D sampled quarterly, per EPNG, 7-10-20; then "not sampled since 1Q21"
ACW-26, ACW-27, ACW-28, and ACW-29 (installed 2H19), equipped with HMI-owned bladder sampling pumps; these wells to be sampled during 4Q (large) events ongoing, per EPNG
*GW Elevation data uncorrected for ave. density of water column as a function of TDS

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+DUP-01

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-13

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
6/5/24	900	NP	99.30	0.00	0.60	175.62	172.6	153-173				Weather: pt/cloudy/80°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6/5/24	905	99.35	0.5	6.89	24.1	4390	4.0	140.9	3.3	Low-flow purge-sample with	Clear
	907	99.37	1.0	6.81	23.8	4440	3.7	143.8	3.0	HMI's dedicated bladder pump	
	910	99.39	1.5	6.78	23.7	4560	3.5	148.2	2.8		
	913	99.41	2.0	6.76	23.7	4580	3.3	150.0	2.7		
	915	99.43	2.5	6.74	23.5	4590	3.1	151.8	2.5		
	917	99.44	3.0	6.73	23.3	4610	2.9	152.3	2.2		
	920	99.45	3.5	6.74	23.2	4620	2.8	153.7	2.0		
↓	923	99.46	4.0	6.75	23.2	4630	2.8	153.9	2.0		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6/5/24	925	ACW-13	99.46	6.75	23.2	4630	2.8	153.9	2.0	Per COC	Per Lab	Lab: Eurofins TA, Pensacola
6/5/24	1000	DUP-01	99.46	6.75	23.2	4630	2.8	153.9	2.0	"	"	

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-14

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
6/5/24	1000	NP	100.24	0.00	0.00	176.22	173.2	157-177				Weather: PT/Cloudy 80°

Well Purging Record

× ✓✓

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	* pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6/5/24	1005	100.34	0.5	6.57	26.6	2250	5.2	94.9	3.4	Low-flow purge-sample with	Clear
	1007	100.39	1.0	6.45	26.2	1983	5.0	103.8	3.1	HMI's dedicated bladder pump	
	1010	100.43	1.5	6.43	25.9	1708	4.5	117.1	3.0		
	1013	100.45	2.0	6.41	25.5	1698	4.3	117.0	2.9		
	1015	100.46	2.5	6.38	25.5	1696	4.0	118.9	2.3		
	1017	100.46	3.0	6.36	24.8	1696	3.9	120.7	2.3		
	1020	100.46	3.5	6.35	24.7	1689	3.8	121.3	2.0		
	1023	100.46	4.0	6.34	24.7	1688	3.8	121.0	1.9		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6/5/24	1025	ACW-14	100.46	6.34	24.7	1688	3.8	121.0	1.9	Per COC	Per Lab	Lab: Eurofins TA. Pensacola

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-15

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: AD
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
6/5/24	800	NP	102.22	0.00	0.00	171.57	168.6	150-170				Weather: Cloudy 70°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6/5/24	805	102.27	0.5	6.52	23.2	1316	3.4	180.0	10.2	Low-flow purge-sample with	clear
	807	102.27	1.0	6.55	23.2	1296	3.3	179.4	6.8	HMI's dedicated bladder pump	
	810	102.27	1.5	6.58	23.2	1280	3.1	169.3	6.0		
	813	102.27	2.0	6.59	23.1	1277	3.0	168.9	5.2		
	815	102.27	2.5	6.62	23.1	1273	3.0	166.6	4.4		
	817	102.27	3.0	6.63	23.0	1270	3.1	165.2	4.3		
	820	102.27	3.5	6.64	23.0	1268	3.2	164.7	3.8		
	823	102.27	4.0	6.64	22.9	1267	3.2	163.5	3.7		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6/5/24	825	ACW-15	102.27	6.64	22.9	1267	3.2	163.5	3.7	Per COC	Per Lab	Lab: Eurofins TA. Pensacola

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: Doom Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: MDB
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
6-5-24	900	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny 78s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6-5-24	901	NR	1.0	7.76	26.1	731	4.8	-82.4	7.2	Mr. Doom's water supply well;	Clear
↓	902	↓	2.0	7.71	22.9	701	3.1	-110.5	6.4	sampled at spigot inside	↓
	903		3.0	7.68	22.5	694	2.9	-117.6	5.5	Mr. Doom's shed; purged	
↓	904	↓	4.0	7.65	22.3	690	2.7	-119.5	5.0	4 gal prior to sampling	↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6-5-24	905	Doom Well	NR	7.65	22.3	690	2.7	-119.5	5.0	Per COC	Per Lab	Lab: Eurofins TA, Pensacola

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
J #4 Gas Plant
Lea County, New Mexico

Well: OXY Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: MDB
Well Condition:

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
5-24	835	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
6-5-24	836	NA	1.0	7.37	28.7	1448	2.7	-40.7	6.1	OXY bldg. water supply well;	Clear
↓	837	↓	2.0	7.40	23.4	1391	2.4	-43.5	4.6	sampled at outdoor spigot (to	↓
↓	838	↓	3.0	7.44	22.9	1374	2.0	-48.2	3.9	right of front door; pliers may be	↓
↓	839	↓	4.0	7.47	22.5	1367	1.9	-54.8	3.3	needed); purge 4 gal prior to	↓
										sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
6-5-24	840	OXY Well	NA	7.47	22.5	1367	1.9	-54.8	3.3	Per COC	Per Lab	Lab: Eurofins TA Pensacola

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Instrument Calibration Log

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Hydrologic Monitoring

Date	Time	pH Hanna (Std. units)	Specific Conductivity Hanna (umho/cm)	Dissolved Oxygen Hanna (Slope Cal. in saturated air)	Turbidity Lamotte (NTU)	ORP Hanna HI 7020 Soln (200-275 mV)		Initials / Comments
3/27/24	730	4.01/7.00	1,000	100%	10.0	238.9		KJ
3/27/24	735	4.01/7.00	1,000	100%	10.0	250.2		TAB
6-5-24	730	4.01/7.00	1,000	100%	10.0	241.7		MDB
6.5.24	735	4.01/7.00	1,000	100%	10.0	248.8		TAB

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Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

FedEx:

Client Information	Sampler: Mason Bond & HMI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s): 400-257261 COC 252 0543 2338	COC No: 400-130974-43299.1
Client Contact: Joe Wiley	Phone: 281-725-4825	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	Total Number of containers	Special Instructions/Note:
	Preservation Code:				X	X	N	N	A	N	D	X	
ACW-13	6-5-24	925	G	Water	N	N	X	X	X	X	X		
ACW-14		1025		Water			X	X	X	X	X		
ACW-15		835		Water			X	X	X	X	X		
Doom well		905		Water			X	X	X	X	X		
OXY well		840		Water			X	X	X	X	X		
DUP-01		1000	↓	Water			X	X	X	X	X		
BRH ~~TB~~ Trip Blank-01	↓	—	—	Water	↓	↓			X				

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
	6-5-24 1300	HMI		6-1-24 908	
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: 5.7° IR10

Ver: 04/02/2024

KINDER MORGAN

Analytical Request Form (ARF)

Project Information

KM Entity Name: EPNG

Laboratory Name: Eurofins Environment Testing Southeast Lab Location: Pensacola, FL

Is This A KM Program Laboratory? **YES** X **No** ____

Project / AOC Name (**Match ENFOS AOC**): Jal #4 Gas Plant RWIP

Consultant: AECOM

ARF Initiator Name: Wally Gilmore

Date: 5/24/2024

Scope of Sampling: Quarterly Groundwater Sampling

Remediation Department Project: Yes **Non-Remediation Department Project:** ____

Remediation Department Sampling Projects - To Be Invoiced in Enfos

Work Directive Must be in Place and Information Below Provided By the Kinder Morgan Project Manager PRIOR TO COMPLETION of this ARF

Laboratory's Work Directive #: WD1040015

Lab Cost Cluster: CC06_Monitoring **Lab** Subtask: Lab - I

Non-Program Laboratories
Non-Remediation Dept. Sampling

Email invoice to KM Project Manager ____ Invoice in Ariba ____ Invoice Consultant ____

Sample Event Description and Contaminants of Concern: 2nd Quarter 2024 -BTEX, Chloride, Sodium, TDS, Specific Conductance

Site Address / Location: 9 Miles North of Jal, NM on Hwy 18

City: Jal State: NM Country: USA

Regulatory Agency: NMOCD

Project Type (RCRA, CERCLA, TRRP, etc.):

Anticipated Start Date: 6/5/2024 Anticipated Completion Date: 6/5/2024

Frequency of Sampling: Quarterly Sampling Plan Attached? **(Y/N)**: No

Are there Additional Requests/ Special Instructions on Page 2? **(Y / N)** No

Title(s)/Date(s) of attached sampling information:

Project Management Contacts

KM Contact

KM Project Manager: Joe Wiley ☑ Copy on ARF Distribution

KM Office Location: Houston, TX 77002

Address: 1001 Louisiana, Room 1445B
Houston, TX 77002

Phone : 713-420-3475 E-mail: Joe_Wiley@KinderMorgan.com

Consultant Contact

Consultant Company Name: AECOM ☑ Copy on ARF Distribution

Consultant Project Manager: Wally Gilmore

Consultant PM Office Location: Houston, TX

Address: 19219 Katy Freeway, Suite 100
Houton, TX 77094

Phone : 713-542-9523 E-mail: wallace.gilmore@aecom.com

Laboratory Contact

Laboratory Name / Location: Eurofins Environment Testing Southeast ☑ Copy on ARF Distribution

Laboratory Project Manager: Cheyenne R. Whitmire

Lab PM Office Location: Pensacola, FL

Address: 3355 McLemore Drive
Pensacola, FL 32514

Phone : 850-471-6222 E-mail: Cheyenne.Whitmire@Eurofinset.com

Additional Parties to Receive ARF:

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Data Deliverables

Data Package Deliverables supplied to:	Wally Gilmore - AECOM					
Required Data Deliverables Format(s):	PDF	X	Hard Copy		Other - Specify	
	Excel	X	Equis			
Size Limitation of deliverable for e-mail:	5	MB	Unlimited			

Forward the Electronic Data Deliverables to:

Company	Contact Name	E-Mail Address
AECOM	Wally Gilmore	wallace.gilmore@aecom.com

Special Instructions for data package or electronic deliverable?: Enter special instructions below - 4 text lines available:

Laboratory Cost Sheets

Does the Kinder Morgan Project Manager want the Lab Cost Sheet completed by the laboratory?

Yes

No XXX

COST SHEETS CAN ONLY BE RETURNED DIRECTLY TO THE KM PROJECT MANAGER - CANNOT BE SENT TO CONSULTANTS

LABORATORY CONTRACT CONFIDENTIALITY REQUIREMENTS PROHIBIT DISTRIBUTION OF COSTS BY LAB OUTSIDE KINDER MORGAN

Record of ARF Initiation and Revisions

ARF Initiator:	Name:	Wally Gilmore	Date:	5/24/2024
Laboratory Acceptance:	Name:		Date:	
Revision 1:	Name:		Date:	
	Types of Changes:			
Revision 2:	Name:		Date:	
	Types of Changes:			
Revision 3:	Name:		Date:	
	Types of Changes:			
Revision 4:	Name:		Date:	
	Types of Changes:			

LAB USE ONLY

Laboratory Internal Project Number:

Parameters and Analytical Methods Requested — SINGLE SAMPLE EVENT

Unless otherwise noted, all fields should be completed by ARF Initiator. ARF Version 8 _2-14-2023

Projected Analytical Plan & Number of Samples to be Collected

Matrix Codes: A=Air W=Water S=Soil WP=wipe O=Oil OT=Other

Compound List or Parameter	Analytical Method	Matrix Code	DP/TAT Level Code	Number of Investigatory Samples	Number of Samples for Hold/Archival	Quality Control Samples: MS/MSD Pairs	Quality Control Samples: Trip Blanks	Quality Control Samples: Number of Rinse, Equipment, and Field Blanks	Quality Control Samples: Field Duplicates	Total Number of Samples Expected	Laboratory Use Only: Number of Samples Received by Laboratory	Laboratory Use Only: Total Number of Samples Analyzed
BTEX	8260B	W	L2/28D	5	0	0	1	0	1	7		
Total Dissolved Solids	SM 2540C	W	L2/28D	5	0	0	0	0	1	6		
Chloride	EPA SW846 9056	W	L2/28D	5	0	0	0	0	1	6		
Sodium	EPA SW846 6010	W	L2/28D	5	0	0	0	0	1	6		
Specific Conductance	EPA 120.1	W	L2/28D	5	0	0	0	0	1	6		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		

Sampling Frequency: **SINGLE SAMPLE EVENT ONLY**

Are special regulatory requirements, detection limits or action levels needed? Standard method detection limits.

SW-846 Method 5035 volatile organic analyses requested **(Y / N)**? No — If yes, what container is required? Tared Vials ____ Methanol Vials ____ 4-oz. jars ____

EnCore Kits ____ Terra Core Kits ____ Other ____

Is there an approved QAPP? **(Y / N)** No IF YES - FORWARD TO LABORATORY Title: ____

Revision/Date ____

Reporting of estimated values "J" required for results less than the reporting limit required? Yes X No ____

Are tentatively identified compounds (TICs) required? YES ____ Volatiles ____ Semivolatiles ____

Sample retention time (post reporting): 30 days (standard) X Other - Specify Retention Time ____

Released to Imaging: 5/2/2025 11:15:22 AM

Ship Bottles to:		**Shipping Return:**	
Company	HMI	FedEx _____ UPS _____	Laboratory Courrier _____
Contact Name	Scott Ude	Sample Crew Drop Samples at Laboratory _____	Other - Specify: _____
Location Name			
Street Address	1654 W Sam Houston Pkwy N	**Saturday Delivery** _____	
City, State, Zip	Houston, Texas 77043		
Phone Number	713-714-1624		
Date/Time Bottles Required		**5/31/2024**	

Additional Requests and Instructions

Please have sampling kits and return shipping labels delivered to HMI by May 31, 2024.

Phone Logs and Project Correspondence

HMI
Groundwater

Hydrologic Monitoring
1654 W. Sam Houston Pkwy. N.
Houston, Texas 77043

Phone 713.464.5206
Fax 713.464.5207

M E M O R A N D U M

Low-Flow Groundwater Sampling Procedures
El Paso Natural Gas Company
Jal #4 Gas Plant, Lea County, New Mexico

HMI conducts low-flow groundwater sampling in accordance with TCEQ and EPA guidelines (Puls and Barcelona, 1996 EPA Guidance on Low-Flow Groundwater Sampling, REV 4, September 19, 2017).

Groundwater Sampling Methodology

HMI conducts low-flow groundwater sampling using bladder pumps and polyethylene tubing dedicated in sampled wells at the site, during its first groundwater sampling event at the site in March 2017. Pumps were dedicated in the wells to increase sample quality and field efficiency, and remain property of HMI. HMI would appreciate the opportunity to retrieve the pumps at such time that HMI no longer conducts monitoring at the site.

Purging commences through a sealed flow-through cell at EPA-recommended purge rates (generally 0.1 to 0.2 liters/minute), selected to limit the monitored drawdown during the purging process. Each HMI flow-through cell has a volume of 0.5 liters. Field parameter readings are collected at 0.5-liter intervals (the equivalent of one cell volume "turnover"). Field parameters of pH, specific conductivity, temperature, dissolved oxygen, and oxidation-reduction potential are monitored inside the cell. Turbidity is monitored outside of the cell. Purging continues until a requisite volume of groundwater is purged (a minimum of 3,000 ml or six flow-through cell volumes), and field parameters have stabilized in accordance with the EPA guidance below:

Water Quality Parameters (Stabilization Parameters in Accordance with EPA (2002), Groundwater Sampling Guidelines for Superfund and RCRA Project Managers, Yeskis & Zavala, EPA/542:S-02/001)

- pH +/- 0.1 units;
- Temperature -
- Conductivity +/- 3%
- Dissolved Oxygen +/- 0.3 mg/L
- ORP +/- 10%
- Turbidity 10%

Groundwater samples are collected directly into laboratory-supplied containers. Groundwater samples are placed in iced coolers, and remain in HMI custody until delivery to the laboratory.

Decontamination Procedures

Non-dedicated equipment, (i.e., only the electronic water level probe for this project) is properly decontaminated prior to use and between wells. The decontamination procedure for the water level probe consists of a spray of isopropanol (likely not warranted at this site), followed by a thorough wash in distilled water and Liquinox non-phosphate soap, with a final distilled water. The probe is allowed to air dry.

HMI Deliverables

HMI provides thorough field documentation of groundwater monitoring activities performed, including groundwater sampling forms, field equipment calibration logs, a brief field narrative, and an Excel table summarizing gauging data and groundwater field parameters.

Emergency Contacts

Jal Police	575-395-2501
Jal Fire/Rescue	575-395-2221
Lea Co Sheriff	575-396-3611
Emergency	911

Location

Address:	Hwy 18 mile marker 18 & Deep Wells Rd
GPS Main Gate:	32.253734, -103.193437
GPS East Gate:	32.253353, -103.189635

Operators

1ST Ricardo RFranco2@[illegible] 505-240-7204

~~1ST Jesse JMoore6@MARATHON PETROLEUM.com 575-725-1797/432-257-9687~~ cell

2ND Luis 575-605-0149

[redacted]

HMI
Groundwater

Hydrologic Monitoring
1654 W. Sam Houston Pkwy. N.
Houston, Texas 77043

Phone 713.464.5206
Fax 713.464.5207

September 9, 2024

Mr. Wally Gilmore, P.G.
AECOM
19219 Katy Freeway, Suite 100
Houston, Texas 77094

Subject: 3Q24 Groundwater Monitoring, September 4, 2024
Jal #4 Gas Plant
Jal, New Mexico

Dear Mr. Gilmore:

This document summarizes groundwater monitoring field activities conducted by HMI on behalf of El Paso Natural Gas Company (EPNGC) and AECOM at the Jal #4 Gas Plant.

Contents

1. Field Activities Narrative
2. Table 1: Gauging Data and Groundwater Field Parameters, September 4, 2024
3. Groundwater Sampling Forms and Field Instrument Calibration Record, COC
4. ARF
5. Groundwater Sampling SOP
6. Pre-Mobilization Site Notification

Field Activities Narrative

1. HMI equipped the sample well network with HMI-owned dedicated bladder pumps in 2017 to increase sample quality and field efficiencies. HMI requests the opportunity to retrieve these pumps when HMI's monitoring activities are completed at the site.

2. In 2H18, two well nests were installed (ACW-30S + ACW-30D and ACW-32S + ACW-32D). In 2H19, two additional well nests were installed (ACW-26 & ACW-27 and ACW-28 & ACW-29 (ACW-26 is shallow & ACW-27 is deep; ACW-28 is shallow & ACW-29 is deep).

3. Per KM, the larger "annual" event (generally ~36 well sampling + sitewide gauging) is conducted in 3Q, since 2023. The smaller "quarterly" events (sampling scope generally includes ACW-13, 14, 15, Doom Well and Fmr. Oxy Well sampling + sitewide gauging) are conducted in 1Q, 2Q, and 4Q, since 2023.

4. Groundwater sampling was conducted in accordance with EPA guidelines (Puls and Barcelona, 1996 EPA Guidance on Low-Flow Groundwater Sampling, REV 4, September 19, 2017), and the attached Groundwater Sampling SOP. Low-flow purging was conducted at EPA-recommended purge rates of 0.1 - 0.2 liters/minute. Field parameters of pH, specific conductivity, temperature, dissolved oxygen, and oxidation-reduction potential were monitored at ½-liter intervals, in an air-tight flow-through cell. Turbidity was measured outside the cell. Well drawdown was monitored at the same intervals. Upon field parameter stabilization, the water input tube was disconnected from the flow-through cell, and groundwater samples were collected directly into lab-supplied bottles and placed in iced coolers. The groundwater sampling process is documented on the attached groundwater sampling forms.

5. Field QA/QC Sampling:

   Quarters 1, 2, and 4 Events:
   Dup-01 @ ACW-13 (all analytes)
   (No field blanks requested per ARF)
   Trip Blank-01 (BTEX)

   Quarter 3 Event (represents the larger "annual" event):
   Dup-01 @ ACW-32S (all analytes)
   Dup-02 @ ACW-30D (all analytes)
   Dup-03 @ ACW-20 (all analytes)
   Dup-04 @ ACW-29 (all analytes)
   (No field blanks requested per ARF)
   Trip Blank-01 (BTEX)

6. Since 4Q20 - Eurofins-Pensacola (Cheyenne Whitmire, PM, since 1Q22)
   3355 McLemore Drive, Pensacola, FL 32514
   FedEx account # 2301-5223-3 (in event no prepaid labels are provided by lab)

   Note - Dissolved Gas (*propane*, *methane*, *ethane*, *N-butane*) analyzed in 4Q21

7. WINDCRUSHER™ *ventilated barrel cover* was purchased by Texas-based EPNGC, in Texas, having New Mexico Environment Department (NMED) approval to safely evaporate investigation derived waste (IDW) purgewater generated during environmental investigations at the Jal, New Mexico site. A 55-gallon steel IDW drum is fitted with WINDCRUSHER™ *ventilated barrel cover*, with the drum elevated slightly, inside an overpack drum. The overpack drum sits on a wooden pallet and is strapped to a steel rail "cage" near RW-2 (E-side of Hwy). IDW purgewater is evaporating "24/7" since 2020. Ventilating Barrel Contents: (5 gal added in 1Q24 was dry in 2Q24; 5 gal added in 2Q24 was dry in 3Q24; 36 gal added 3Q24 will be monitored in 4Q24).



Jal #4 Gas Plant, Jal, New Mexico – IDW drum (coated inside & out, with Flex-Seal waterproofing protectant



Jal #4 Gas Plant, Jal, New Mexico – IDW purgewater drum with WINDCRUSHER™ ventilated barrel cover successfully evaporates groundwater sampling purgewater "24-7", since 2020



Inside of IDW purgewater drum (fully dry), prior to the 3Q24 36 gal added purgewater

Site notes:

Since 2Q22, HMI shall notify a contact below, in advance of daily activities at Jal #4 Gas Plant (i.e., the plant may be closed - onsite personnel cannot not be expected).
Ricardo Franco, 505-240-7204; rfranco@marathonpetroleum.com., or
"Luis", 575-605-0149.

Per site personnel, since 1Q23, alternate site access may be through specified gate access, if no personnel are onsite, per JM to HMI's GDS.

Well EPNG-01 area gate lock code (2-4-3-3).

Monitor well lock keys are maintained with HMI files.

Fmr OXY Well is sampled at outdoor spigot; Doom Well is sampled at spigot inside of well shed (Mr. Jerold Doom's ranch; nephew-Dylan Doom; follow driveway into ranch, then down to the left; shed on the right).



ACW-19 locking mechanism repaired by HMI during 2Q24 event

HMI appreciates the opportunity to assist EPNGC and AECOM with this project. If you have any questions or require additional information please feel free to call us at 713-464-5206.

Sincerely,

HYDROLOGIC MONITORING

Scott C. Ude

Scott C. Ude, P.G.



The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on September 9, 2024.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Greg Scherbenske, P.G., HMI
Brian Hillin, HMI

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
3Q24

Well I.D.	1,2,4Q24 # Wells Sampled	1,2,4Q24 # Wells Gauged	3Q24 # Wells Sampled	3Q24 # Wells Gauged	Ded. Blad Pump	Top of Casing Elev (ft-msl)	Depth to LNAPL (ft-toc)	Depth to Water (ft-toc)	LNAPL Thickness (ft)	DNAPL Thickness (ft)	GW Elev* (ft-msl)	Water Column (ft)	Total Depth (ft-toc)	Stickup (ft)	Screen Interval (ft-bgs)	Sample Intake (ft-toc)	Casing Diam	pH (S.U.)	Temp. (C)	S.C. (umhos)	D.O. (mg/L)	ORP (mV)	Turbidity (NTU)	Water Clarity	Comments
ACW-01		1	1		Yes	3,302.15	NP	105.41	0.00	0.00	3,196.74	30.04	135.45	1.9	110-130	130.5	4" PVC	8.34	20.7	23,000	1.2	-217.4	9.3	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.61	0.00	0.00	3,196.55	19.88	125.49	2.0	98-118	120.5	4" PVC	9.84	20.5	14,330	0.6	-307.5	12.9	Clear	pH confirmed
ACW-03		3		1	No	3,301.62	NP	105.29	0.00	0.00	3,196.33	29.83	135.12	1.6	112-132	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
ACW-04		4	3		Yes	3,302.05	NP	107.09	0.00	0.00	3,194.96	64.01	171.10	1.7	154-169	169.1	4" PVC	6.29	18.7	90,100	1.5	-45.6	7.5	Clear	
ACW-05		5	4		Yes	3,297.18	NP	103.17	0.00	0.00	3,194.01	14.20	117.37	1.5	105-115	114.4	4" PVC	6.58	21.2	10,450	1.0	-96.9	7.1	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.23	0.00	0.00	3,195.61	15.40	122.63	1.7	110-120	119.6	4" PVC	8.82	21.2	9,780	1.1	-108.4	3.1	Clear	
ACW-07		7	6		Yes	3,297.63	NP	102.30	0.00	0.00	3,195.33	15.09	117.39	1.5	105-115	114.4	4" PVC	7.37	20.6	10,060	1.3	-134.0	6.1	Clear	
ACW-08		8		2	No	3,299.54	NP	103.30	0.00	0.00	3,196.24	56.61	159.91	1.2	140-160	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
ACW-09		9	7		Yes	3,304.69	NP	110.28	0.00	0.00	3,194.41	52.20	162.48	2.4	140-160	159.5	4" PVC	5.97	21.5	25,900	1.8	-62.6	4.0	Clear	
ACW-10		10	8		Yes	3,299.82	NP	106.31	0.00	0.00	3,193.51	56.73	163.04	2.5	140-160	160.0	4" PVC	6.14	21.5	15,680	2.9	-29.7	3.0	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.51	0.00	0.00	3,196.13	56.17	161.68	2.1	140-161	159.7	4" PVC	6.27	21.5	40,900	1.9	5.2	1.8	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.39	0.00	0.00	3,192.41	62.54	171.93	2.5	150-170	168.9	4" PVC	6.29	22.8	10,700	1.7	-82.9	4.0	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.13	0.00	0.00	3,192.59	76.49	175.62	2.0	153-173	172.6	4" PVC	6.46	21.6	5,370	2.3	100.2	3.1	Clear	
ACW-14	2		12		Yes	3,294.74	NP	100.29	0.00	0.00	3,194.45	75.93	176.22	2.0	157-177	173.2	4" PVC	7.28	20.6	1,937	4.3	64.3	2.0	Clear	
ACW-15	3		13		Yes	3,292.75	NP	102.12	0.00	0.00	3,190.63	69.45	171.57	2.3	150-170	168.6	4" PVC	6.53	22.9	1,226	2.9	71.6	1.5	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.58	0.00	0.00	3,198.31	67.36	176.94	2.4	156-176	174.9	4" PVC	7.14	21.8	32,700	0.8	-134.7	5.1	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.45	0.00	0.00	3,197.72	63.33	171.78	2.6	151-171	169.8	4" PVC	6.71	18.2	15,270	1.5	-75.6	6.3	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.25	0.00	0.00	3,195.90	69.95	177.20	2.5	160-180	175.2	4" PVC	5.95	21.2	126,000	1.2	-148.3	7.3	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.26	0.00	0.00	3,196.42	14.90	121.16	2.2	98-118	119.2	4" PVC	6.91	19.1	10,570	2.0	-85.7	9.5	Clear	
ACW-20		17	18		Yes	3,303.50	NP	108.49	0.00	0.00	3,195.01	65.54	174.03	2.2	154-174	172.0	4" PVC	5.88	18.6	133,600	1.5	-41.4	7.7	Clear	Dup-03 @ ACW-20 (all analytes)
ACW-21		18	19		Yes	3,301.82	NP	105.75	0.00	0.00	3,196.07	14.77	120.52	2.1	98-118	118.5	4" PVC	6.96	18.3	1,902	1.9	-110.5	9.7	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.92	0.00	0.00	3,194.32	13.12	125.04	2.5	102-122	123.0	4" PVC	6.79	20.2	1,630	1.4	-45.4	3.9	Clear	
ACW-23		20	21		Yes	3,306.29	NP	112.03	0.00	0.00	3,194.26	57.68	169.71	2.3	147-167	167.7	4" PVC	6.86	20.5	3,180	1.6	5.3	4.0	Clear	
ACW-24		21	22		Yes	3,305.56	NP	111.12	0.00	0.00	3,194.44	78.00	189.12	2.2	166-186	187.1	4" PVC	6.07	21.5	137,600	1.2	64.2	2.4	Clear	
ACW-25		22	23		Yes	3,297.59	NP	103.29	0.00	0.00	3,194.30	71.39	174.68	2.1	151-171	172.7	4" PVC	6.43	21.7	58,400	1.1	-14.1	9.9	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.33	0.00	0.00	3,198.94	20.27	130.60	1.6	103-128	125.6	4"PVC	7.06	20.4	1,521	1.9	-36.4	1.7	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.31	0.00	0.00	3,198.91	66.89	177.20	1.8	160-180	167.2	4"PVC	6.60	20.5	3,510	1.7	-146.1	1.9	Clear	
ACW-28		25	26		Yes	3,306.49	NP	108.94	0.00	0.00	3,197.55	19.36	128.30	1.8	102-127	123.3	4"PVC	6.18	20.5	474	2.9	89.9	1.3	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.81	0.00	0.00	3,197.54	67.98	176.79	1.8	160-180	166.8	4"PVC	6.36	20.6	562	2.0	89.6	1.8	Clear	Dup-04 @ ACW-29 (all analytes)
ACW-30S		27	28		Yes	3,300.17	NP	104.49	0.00	0.00	3,195.68	18.01	122.50	2.3	95-120	117.5	3" PVC	7.52	20.2	1,112	4.9	116.5	3.8	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.79	0.00	0.00	3,195.36	82.64	187.43	2.3	165-185	177.4	3" PVC	6.36	20.1	48,400	1.7	-129.8	2.9	Clear	Dup-02 @ ACW-30D (all analytes)
ACW-32S		28	30		Yes	3,299.60	NP	107.01	0.00	0.00	3,192.59	15.32	122.33	2.5	95-120	117.3	3" PVC	7.58	20.6	3,320	2.7	175.3	5.2	Clear	Dup-01 @ ACW-32S (all analytes)
ACW-32D		29	31		Yes	3,299.61	NP	106.99	0.00	0.00	3,192.62	65.65	172.64	2.5	150-170	162.6	3" PVC	7.44	20.6	2,150	1.6	221.5	1.2	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	21.5	712	2.4	-110.7	4.2	Clear	
ENSR-01		30	33		Yes	3,306.71	NP	107.79	0.00	0.00	3,198.92	47.56	155.35	1.6	123-148	150.4	4" PVC	7.13	22.3	18,760	1.1	-102.0	7.2	Clear	
ENSR-03		31		3	No	3,305.05	NP	107.08	0.00	0.00	3,197.97	48.02	155.10	1.5	123-148	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
EPNG-01		32	34		Yes	3,310.03	NP	109.17	0.00	0.00	3,200.86	54.76	163.93	AG	120-160	160.9	6" Steel	7.90	21.5	576	2.7	-177.2	1.7	Clear	
Fmr OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.39	21.9	1,597	1.5	-109.6	3.1	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.70	0.00	0.00	3,197.97	NM	136.09	2.3	110-130	131.1	2" PVC	6.92	18.3	1,689	0.7	-98.2	6.4	Clear	
RW-01		34		4	No	3,302.16	NP	105.55	0.00	0.00	3,196.61	76.08	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.35	0.00	0.00	3,194.36	64.30	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.35	0.00	0.00	3,196.30	71.34	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		37		7	No	3,303.26	NP	108.54	0.00	0.00	3,194.72	67.62	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted September 4, 2024
Top of casing survey data, per Piper Surveying, 2/9/16, revised 7/23/18, per AECOM email 9-11-18
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, AG = At-Grade Surface Completion
ACW-30S, ACW-30D, ACW-32S, and ACW-32D (installed in 2H18), equipped with HMI-owned bladder sampling pumps; ACW-32S & 32D sampled quarterly, per EPNG, 7-10-20; then "not sampled since 1Q21"
ACW-26, ACW-27, ACW-28, and ACW-29 (installed 2H19), equipped with HMI-owned bladder sampling pumps; these wells to be sampled during 4Q (large) events ongoing, per EPNG
*GW elevation data uncorrected for ave. density of water column as a function of TDS

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-01

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: CRS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	805	NP	105.41	0.00	0.00	135.45	130.5	110-130				Weather: Cloudy, 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	810	105.50	0.5	7.93	20.9	22,000	1.5	-192.4	19.6	Low-flow purge-sample with	Clear, odor
	812	105.50	1.0	8.00	20.9	22,300	1.5	-197.6	15.4	HMI's dedicated bladder pump	
	815	105.50	1.5	8.11	20.8	22,500	1.4	-202.1	13.7		
	817	105.50	2.0	8.20	20.8	22,600	1.4	-205.9	12.9		
	820	105.50	2.5	8.26	20.8	22,700	1.3	-208.1	11.7		
	822	105.50	3.0	8.30	20.8	22,800	1.3	-210.2	10.7		
	825	105.50	3.5	8.33	20.8	22,900	1.2	-216.4	9.6		
	827	105.50	4.0	8.34	20.7	23,000	1.2	-217.4	9.3		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	830	ACW-01	105.50	8.34	20.7	22,000	1.2	-217.4	9.3	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-02A

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: CS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	725	NP	105.61	0.00	0.00	125.49	120.5	98-118				Weather: cloudy, 60s

Well Purging Record

* confirmed pH

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	730	105.82	0.5	9.65	20.5	13,580	1.3	-298.4	20.4	Low-flow purge-sample with	clear
	732	105.86	1.0	9.69	20.6	13,780	1.0	-297.4	17.6	HMI's dedicated bladder pump	
	735	105.91	1.5	9.73	20.6	13,900	0.8	-303.4	15.9		
	737	105.91	2.0	9.75	20.6	13,980	0.7	-305.4	15.1		
	740	105.91	2.5	9.78	20.6	14,210	0.6	-306.1	14.7		
	742	105.92	3.0	9.80	20.5	14,290	0.7	-305.7	13.9		
	745	105.92	3.5	9.82	20.5	14,320	0.6	-306.2	13.4		
	747	105.92	4.0	9.84	20.5	14,330	0.6	-307.5	12.9		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	750	ACW-02A	105.92	9.84	20.5	14,330	0.6	-307.5	12.9	Per COC	Per Lab	Lab: Eurofins TA.

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(Gauge-only)

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-03

4" PVC recovery well

Hydrologic Monitoring
Houston, Texas

Initials: DSD
Well Condition: Good

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1305	NP	105.29	0.00	0.00	135.12	NA	112-132				Weather: Sunny 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
			0.5							Low-flow purge-sample with	
			1.0							HMI's dedicated bladder pump	
			1.5								
			2.0								
			2.5								
			3.0								
			3.5								
			4.0								

Well Sampling Record

No sampling; Gauge-only

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
										Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-04

Hydrologic Monitoring
Houston, Texas.

Initials: WS
Well Condition: good

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	850	NP	107.09	0.00	0.06	171.10	169.1	154-169				Weather: cloudy 60°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	900	107.15	0.5	6.33	18.4	76700	2.9	-62.1	20.5	Low-flow purge-sample with	clear
↓	902	107.20	1.0	6.31	18.6	78200	2.5	-59.2	15.3	HMI's dedicated bladder pump	↓
	905	107.20	1.5	6.31	18.6	81400	2.2	-57.4	13.8		
	907	107.21	2.0	6.30	18.6	83500	2.0	-55.2	12.2		
	910	107.21	2.5	6.30	18.7	88600	1.8	-53.6	10.9		
	912	107.22	3.0	6.29	18.7	89300	1.6	-50.9	10.1		
	915	107.22	3.5	6.29	18.7	89900	1.6	-48.5	8.8		
↓	917	107.22	4.0	6.29	18.7	90100	1.5	-45.6	7.5		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	920	ACW-04	107.22	6.29	18.7	90100	1.5	-45.6	7.5	Per COC	Per Lab	Lab: Eurofins TA

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-05

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: CSS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1145	NP	103.87	0.00	0.00	117.37	114.4	105-115				Weather: Cloudy, 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1150	103.42	0.5	6.31	22.6	11,550	1.9	-43.4	12.2	Low-flow purge-sample with	Clear
	1152	103.64	1.0	6.37	22.0	10,990	1.1	-62.3	11.3	HMI's dedicated bladder pump	
	1155	103.82	1.5	6.52	21.3	10,770	1.0	-85.4	10.9		
	1157	103.86	2.0	6.54	21.3	10690	0.9	-89.1	10.1		
	1200	103.90	2.5	6.57	21.2	10,580	0.9	-93.2	9.1		
	1202	103.92	3.0	6.57	21.2	10,520	0.9	-94.1	8.3		
	1205	103.95	3.5	6.58	21.1	10,490	0.9	-95.7	7.6		
	1207	103.99	4.0	6.58	21.2	10,450	1.0	-96.9	7.1		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1210	ACW-05	103.99	6.58	21.2	10,410	1.0	-96.9	7.1	Per COC	Per Lab	Lab: Eurofins TA, ...

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-06

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BRH
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1120	NP	107.23	0.00	0.00	122.63	119.6	110-120				Weather: Cloudy, 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1125	107.39	0.5	7.94	21.6	11060	3.8	-30.7	6.1	Low-flow purge-sample with	Clear
↓	1128	107.73	1.0	8.29	21.5	10410	2.1	-56.3	5.3	HMI's dedicated bladder pump	
↓	1130	107.88	1.5	8.51	21.4	9920	1.6	-81.5	4.9		↓
↓	1133	107.99	2.0	8.60	21.3	9850	1.4	-96.2	4.2		↓
↓	1135	108.09	2.5	8.70	21.3	9820	1.3	-100.5	4.0		↓
↓	1138	108.07	3.0	8.76	21.2	9800	1.2	-103.9	3.8		↓
↓	1140	108.10	3.5	8.80	21.2	9790	1.2	-106.0	3.3		↓
↓	1143	108.12	4.0	8.82	21.2	9780	1.1	-108.4	3.1		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1145	ACW-06	108.12	8.82	21.2	9780	1.1	-108.4	3.1	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-07

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BRH
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	955	ND	102.30	0.00	0.00	117.39	114.4	105-115				Weather: Cloudy, 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1000	102.45	0.5	7.88	21.0	9760	3.8	-37.2	11.6	Low-flow purge-sample with	clear
	1003	102.53	1.0	7.70	20.9	9850	2.3	-61.8	10.1	HMI's dedicated bladder pump	
	1005	102.58	1.5	7.57	20.8	9910	1.9	-80.4	8.4		
	1008	102.60	2.0	7.49	20.7	9980	1.7	-101.6	7.9		
	1010	102.61	2.5	7.44	20.7	10,000	1.5	-122.1	7.0		
	1013	102.62	3.0	7.40	20.6	10,030	1.4	-128.9	6.5		
	1015	102.62	3.5	7.39	20.6	10,050	1.3	-131.6	6.2		
	1018	102.62	4.0	7.37	20.6	10,060	1.3	-134.0	6.1		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1020	ACW-07	102.62	7.37	20.6	10,060	1.3	-134.0	6.1	Per COC	Per Lab	Lab: Eurofins TA,

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(Gauge-only)

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-08

Hydrologic Monitoring
Houston, Texas

4" PVC recovery well

Well Inspection Information

Initials: WS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	1100	NP	103.30	0.00	0.00	159.91	NA	140-160				Weather: Cloudy 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
			0.5							Low-flow purge-sample with	
			1.0							HMI's dedicated bladder pump	
			1.5								
			2.0								
			2.5								
			3.0								
			3.5								
			4.0								

Well Sampling Record

No sampling; Gauge-only

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
												Lab: Eurofins TA, .
										Per COC	Per Lab	

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-09

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJO
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1030	NP	110.28	0.00	0.00	162.48	159.5	140-160				Weather: Cloudy 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1035	110.73	0.5	6.17	21.1	25,200	2.7	-12.3	10.1	Low-flow purge-sample with	Clear
	1038	110.74	1.0	6.11	21.0	25,500	2.3	-26.7	9.3	HMI's dedicated bladder pump	↓
	1040	110.74	1.5	6.07	21.2	25,600	2.1	-35.4	8.1		
	1043	110.74	2.0	6.03	21.2	25,700	2.0	-42.6	7.5		
	1045	110.74	2.5	6.01	21.3	25,800	2.0	-48.9	6.3		
	1048	110.74	3.0	5.99	21.4	25,800	1.9	-55.3	5.5		
	1050	110.74	3.5	5.98	21.4	25,900	1.8	-59.2	4.3		
↓	1053	110.74	4.0	5.97	21.5	25,900	1.8	-62.6	4.0		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1055	ACW-09	110.74	5.97	21.5	25,900	1.8	-62.6	4.0	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-10

Hydrologic Monitoring
Houston, Texas

Initials: MS
Well Condition: Good

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	1130	NP	106.31	0.00	0.00	163.04	160.0	140-160				Weather: Cloudy, 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	1135	106.61	0.5	6.46	21.7	14,060	3.9	-53.4	5.3	Low-flow purge-sample with	Clear
	1137	106.70	1.0	6.09	21.5	14,910	3.6	-38.7	4.7	HMI's dedicated bladder pump	
	1140	106.75	1.5	6.05	21.5	15,160	3.4	-35.8	3.8		
	1143	106.78	2.0	6.09	21.5	15,560	3.1	-33.2	3.4		
	1145	106.80	2.5	6.11	21.5	15,630	3.0	-31.8	3.3		
	1147	106.81	3.0	6.13	21.6	15,620	3.0	-31.0	2.7		
	1150	106.81	3.5	6.13	21.5	15,660	2.9	-30.2	2.8		
	1153	106.81	4.0	6.14	21.5	15,680	2.9	-29.7	3.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	1155	ACW-10	106.81	6.14	21.5	15,680	2.9	-29.7	3.0	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-11

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: GOS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	1305	NP	105.51	0.00	0.00	161.68	159.7	140-161				Weather: Clear, 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	1310	105.81	0.5	6.16	22.2	36,500	1.9	42.7	4.6	Low-flow purge-sample with	clear
	1313	105.83	1.0	6.03	22.0	38,500	1.9	49.8	3.9	HMI's dedicated bladder pump	
	1315	105.85	1.5	6.09	21.6	40,500	1.8	44.7	3.5		
	1317	105.86	2.0	6.15	21.6	40,700	1.8	33.5	2.9		
	1320	105.87	2.5	6.21	21.5	41,000	1.8	18.2	2.6		
	1323	105.87	3.0	6.24	21.5	40,800	1.8	11.5	2.2		
	1325	105.88	3.5	6.26	21.5	40,900	1.9	8.6	2.0		
	1327	105.88	4.0	6.27	21.5	40,900	1.9	5.2	1.8		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	1330	ACW-11	105.88	6.27	21.5	40,900	1.9	5.2	1.8	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-12

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1120	NP	109.39	0.00	0.00	171.93	168.9	150-170				Weather: Cloudy 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1125	109.52	0.5	6.53	23.3	11,100	2.8	-55.6	7.6	Low-flow purge-sample with	Clear
	1128	109.54	1.0	6.40	23.2	11,000	2.3	-63.4	6.5	HMI's dedicated bladder pump	
	1130	109.60	1.5	6.38	23.1	10,900	2.1	-65.1	6.1		
	1133	109.63	2.0	6.35	23.1	10,900	2.0	-69.9	5.8		
	1135	109.67	2.5	6.33	23.0	10,800	1.9	-73.7	5.5		
	1138	109.71	3.0	6.31	22.9	10,800	1.8	-78.5	5.1		
	1140	109.73	3.5	6.30	22.9	10,700	1.7	-80.3	4.3		
	1143	109.77	4.0	6.29	22.8	10,700	1.7	-82.9	4.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1145	ACW-12	109.77	6.29	22.8	10,700	1.7	-82.9	4.0	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-13

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1215	NP	99.13	0.00	0.00	175.62	172.6	153-173				Weather: Cloudy 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1220	99.19	0.5	6.59	21.8	5520	2.9	62.7	9.7	Low-flow purge-sample with	Clear
	1223	99.23	1.0	6.55	21.7	5480	2.7	80.9	9.2	HMI's dedicated bladder pump	
	1225	99.27	1.5	6.53	21.6	5450	2.5	85.4	8.7		
	1228	99.30	2.0	6.51	21.5	5410	2.5	89.1	8.7		
	1230	99.33	2.5	6.50	21.5	5400	2.4	93.6	7.5		
	1233	99.36	3.0	6.48	21.5	5390	2.4	95.4	5.6		
	1235	99.38	3.5	6.47	21.6	5380	2.3	98.9	4.4		
	1238	99.40	4.0	6.46	21.6	5370	2.3	100.2	3.1		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1240	ACW-13	99.40	6.46	21.6	5370	2.3	100.2	3.1	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-14

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BrH
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	915	NI	100.29	0.00	0.00	176.22	173.2	157-177				Weather: Cloudy, 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	920	100.40	0.5	8.37	21.6	3620	7.5	32.5	7.8	Low-flow purge-sample with	clear
↓	923	100.45	1.0	7.71	21.0	2490	6.1	42.9	5.2	HMI's dedicated bladder pump	↓
	925	100.49	1.5	7.54	20.8	2050	5.0	50.7	4.7		
	928	100.51	2.0	7.46	20.7	1987	4.7	55.3	3.6		
	930	100.52	2.5	7.39	20.6	1963	4.5	57.8	3.1		
	933	100.52	3.0	7.33	20.6	1948	4.4	60.1	2.5		
	935	100.52	3.5	7.30	20.6	1941	4.4	62.4	2.2		
↓	938	100.52	4.0	7.29	20.6	1937	4.3	64.3	2.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	940	ACW-14	100.52	7.28	20.6	1937	4.3	64.3	2.0	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-15

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: GDS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	1215	NP	102.12	0.00	0.00	171.57	168.6	150-170				Weather: Cloudy, 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	1220	102.15	0.5	7.04	24.1	2460	3.0	32.6	4.7	Low-flow purge-sample with	Clear
	1223	102.16	1.0	6.56	23.7	1845	2.9	65.8	3.0	HMI's dedicated bladder pump	
	1225	102.16	1.5	6.43	23.4	1481	2.9	80.7	2.3		
	1227	102.16	2.0	6.44	23.3	1386	2.9	81.6	2.1		
	1230	102.16	2.5	6.47	23.1	1345	2.9	81.1	1.9		
	1233	102.16	3.0	6.50	22.9	1302	3.0	78.6	1.7		
	1235	102.16	3.5	6.52	22.9	1253	2.9	75.3	1.7		
	1237	102.16	4.0	6.53	22.9	1226	2.9	71.6	1.5		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	1240	ACW-15	102.16	6.53	22.9	1226	2.9	71.6	1.5	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-16

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: CS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	925	NP	109.58	0.00	0.00	176.94	174.9	156-176				Weather: Cloudy, 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	930	109.69	0.5	6.92	22.0	34,400	1.6	-121.2	11.1	Low-flow purge-sample with	Clear
	932	109.70	1.0	6.93	22.0	34,100	1.0	-123.4	10.0	HMI's dedicated bladder pump	
	935	109.72	1.5	6.96	22.0	33,900	0.9	-125.5	9.4		
	937	109.75	2.0	6.98	22.0	33,600	0.8	-124.7	8.6		
	940	109.76	2.5	7.02	21.9	33,400	0.8	-124.6	7.7		
	942	109.79	3.0	7.05	21.9	33,100	0.8	-126.4	7.1		
	945	109.82	3.5	7.09	21.9	33,000	0.8	-128.7	6.2		
	947	109.84	4.0	7.14	21.8	32,700	0.8	-134.7	5.1		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	950	ACW-16	109.84	7.14	21.8	32,700	0.8	-134.7	5.1	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-17

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: WS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	810	NP	108.45	0.00	0.00	171.78	169.8	151-171				Weather: Cloudy 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	815	108.54	0.5	6.74	17.8	14770	2.6	-47.9	19.7	Low-flow purge-sample with	clear
↓	817	108.56	1.0	6.75	17.9	14790	2.2	-50.2	16.2	HMI's dedicated bladder pump	↓
	820	108.55	1.5	6.73	18.0	15110	1.9	-53.6	14.5		
	822	108.55	2.0	6.72	18.0	15130	1.8	-59.4	12.9		
	825	108.56	2.5	6.72	18.1	15150	1.7	-65.9	10.4		
	827	108.56	3.0	6.72	18.1	15180	1.6	-69.2	8.7		
	830	108.56	3.5	6.71	18.1	15210	1.6	-72.5	7.2		
↓	832	108.56	4.0	6.71	18.2	15270	1.5	-75.6	6.3		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	835	ACW-17	108.56	6.71	18.2	15270	1.5	-75.6	6.3	Per COC	Per Lab	Lab: Eurofins TA, .

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-18

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: CSS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	850	NP	107.25	0.00	0.00	177.20	175.2	160-180				Weather: Cloudy 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	855	107.53	0.5	5.91	21.4	122,800	2.1	-158.6	20.1	Low-flow purge-sample with	clear
	857	107.55	1.0	5.91	21.4	123,800	1.7	-157.0	16.3	HML's dedicated bladder pump	
	900	107.58	1.5	5.91	21.4	124,600	1.6	-155.1	12.2		
	902	107.61	2.0	5.92	21.3	125000	1.4	-154.3	10.7		
	905	107.63	2.5	5.93	21.3	125,200	1.4	-152.7	9.5		
	907	107.66	3.0	5.93	21.3	125,600	1.3	-151.2	8.7		
	910	107.69	3.5	5.94	21.3	125800	1.2	-149.7	8.1		
	912	107.72	4.0	5.95	21.2	126000	1.2	-148.3	7.3		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	915	ACW-18	107.72	5.95	21.2	126,000	1.2	-148.3	7.3	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-19

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: WS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	1020	NP	106.26	0.00	0.00	121.16	119.2	98-118				Weather: cloudy 70°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	1025	106.35	0.5	7.02	18.7	11250	3.2	-68.3	24.2	Low-flow purge-sample with	clear
"	1027	106.36	1.0	6.98	18.9	11220	2.9	-69.9	20.1	HMI's dedicated bladder pump	"
"	1030	106.36	1.5	6.95	18.9	10900	2.7	-72.5	18.7	"	"
"	1032	106.36	2.0	6.94	19.0	10780	2.5	-74.7	15.6	"	"
"	1035	106.36	2.5	6.93	19.0	10650	2.3	-77.5	12.2	"	"
"	1037	106.36	3.0	6.93	19.0	10610	2.2	-79.9	11.7	"	"
"	1040	106.36	3.5	6.92	19.1	10590	2.1	-82.4	10.6	"	"
↓	1042	106.36	4.0	6.91	19.1	10570	2.0	-85.7	9.5	"	↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	1045	ACW-19	106.36	6.91	19.1	10570	2.0	-85.7	9.5	Per COC	Per Lab	Lab: Eurofins TA.

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+ DUP-03

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-20

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: WS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	935	NP	108.49	0.00	0.00	174.03	172.0	154-174				Weather: clouds 60°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	940	108.60	0.5	6.04	19.0	127700	1.9	-66.2	18.4	Low-flow purge-sample with	clear
↓	942	108.66	1.0	5.92	18.8	129800	1.7	-61.4	16.2	HMI's dedicated bladder pump	↓
	945	108.67	1.5	5.90	18.8	129400	1.7	-57.3	14.7		
	947	108.67	2.0	5.89	18.7	130200	1.6	-54.2	12.5		
	950	108.67	2.5	5.89	18.6	131600	1.6	-50.1	10.6		
	952	108.67	3.0	5.88	18.6	132400	1.5	-47.3	9.4		
	955	108.67	3.5	5.88	18.6	133200	1.5	-44.5	8.5		
↓	957	108.67	4.0	5.88	18.6	133600	1.5	-41.4	7.7		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	1000	ACW-20	108.67	5.88	18.6	133600	1.5	-41.4	7.7	Per COC	Per Lab	Lab: Eurofins TA,
↓												
↓	800	DUP-03	108.67	5.88	18.6	133600	1.5	-41.4	7.7			

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-21

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: WS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	1110	NP	105.75	0.00	0.00	120.52	118.5	98-118				Weather: Cloudy 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	1115	105.82	0.5	7.10	18.8	2490	3.5	-86.9	23.9	Low-flow purge-sample with	Clear
	1117	105.83	1.0	7.02	18.6	2270	3.1	-90.2	20.2	HMI's dedicated bladder pump	
	1120	105.83	1.5	7.00	18.5	2050	2.9	-94.7	18.7		
	1122	105.83	2.0	6.99	18.5	1996	2.5	-99.2	15.6		
	1125	105.83	2.5	6.98	18.4	1952	2.3	-103.5	13.4		
	1127	105.83	3.0	6.97	18.4	1934	2.0	-105.7	11.1		
	1130	105.83	3.5	6.97	18.3	1920	2.0	-108.2	10.5		
	1132	105.83	4.0	6.96	18.3	1902	1.9	-110.5	9.7		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	1135	ACW-21	105.83	6.96	18.3	1902	1.9	-110.5	9.7	Per COC	Per Lab	Lab: Eurofins TA

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-22

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJD
Well Condition: GOOD

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	945	NP	111.92	0.00	0.00	125.04	123.0	102-122				Weather: Cloudy 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	950	112.00	0.5	6.89	20.3	1730	2.2	-10.6	7.6	Low-flow purge-sample with	Clear
↓	953	112.01	1.0	6.86	20.2	1690	2.0	-17.3	7.1	HMI's dedicated bladder pump	↓
	955	112.02	1.5	6.85	20.2	1680	1.9	-25.4	6.3		
	958	112.02	2.0	6.83	20.1	1670	1.8	-32.1	5.5		
	1000	112.03	2.5	6.82	20.1	1650	1.7	-35.7	5.2		
	1003	112.03	3.0	6.81	20.2	1640	1.5	-38.3	4.8		
	1005	112.03	3.5	6.80	20.2	1640	1.4	-42.5	4.1		
↓	1008	112.03	4.0	6.79	20.2	1630	1.4	-45.4	3.9		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1010	ACW-22	112.03	6.79	20.2	1630	1.4	-45.4	3.9	Per COC	Per Lab	Lab: Eurofins TA, ...

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-23

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	855	NP	112.03	0.00	0.00	169.71	167.7	147-167				Weather: Cloudy 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	900	112.11	0.5	6.96	20.2	3310	2.3	26.4	7.7	Low-flow purge-sample with	clear
	903	112.11	1.0	6.93	20.1	3280	2.0	20.3	7.1	HMI's dedicated bladder pump	
	905	112.11	1.5	6.92	20.3	3250	1.9	15.4	5.5		
	908	112.11	2.0	6.91	20.4	3230	1.8	12.6	5.2		
	910	112.11	2.5	6.90	20.4	3210	1.7	10.9	4.8		
	913	112.11	3.0	6.89	20.4	3200	1.7	9.7	4.5		
	915	112.11	3.5	6.88	20.5	3190	1.6	8.5	4.2		
	918	112.11	4.0	6.86	20.5	3180	1.6	5.3	4.0		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	920	ACW-23	112.11	6.86	20.5	3180	1.6	5.3	4.0	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-24

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BRH
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1035	NP	111.12	0.00	0.00	189.12	187.1	166-186				Weather: Cloudy, 60s

Well Purging Record

*SC confirmed

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1040	111.23	0.5	6.58	22.3	123,000	2.8	11.6	8.2	Low-flow purge-sample with	Clear
	1043	111.29	1.0	6.33	21.9	129,700	2.0	30.5	6.1	HMI's dedicated bladder pump	↓
	1045	111.31	1.5	6.21	21.8	133,900	1.7	48.2	4.5		
	1048	111.32	2.0	6.16	21.7	136,700	1.4	55.1	3.7		
	1050	111.32	2.5	6.12	21.6	137,200	1.3	59.6	3.3		
	1053	111.33	3.0	6.09	21.6	137,400	1.3	61.8	2.9		
	1055	111.33	3.5	6.08	21.5	137,500	1.2	63.0	2.6		
↓	1058	111.33	4.0	6.07	21.5	137,600	1.2	64.2	2.4		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1100	ACW-24	111.33	6.07	21.5	137,600	1.2	64.2	2.4	Per COC	Per Lab	Lab: Eurofins TA, [illegible]

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-25

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: CSS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1050	NP	103.29	0.00	0.00	174.68	172.7	151-171				Weather: Cloudy, 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1055	103.49	0.5	6.28	22.0	57,200	2.5	-47.7	33.1	Low-flow purge-sample with	clear
↓	1057	103.59	1.0	6.32	21.8	57,600	1.6	-41.3	26.3	HMI's dedicated bladder pump	↓
	1100	103.59	1.5	6.34	21.8	57,900	1.4	-37.1	22.1		
	1102	103.60	2.0	6.36	21.7	58,000	1.2	-33.4	17.8		
	1105	103.60	2.5	6.39	21.7	58,200	1.1	-26.1	14.7		
	1107	103.61	3.0	6.40	21.8	58,200	1.1	-22.2	12.1		
	1110	103.61	3.5	6.42	21.8	58,400	1.1	-16.6	10.7		
	1112	103.61	4.0	6.43	21.7	58,400	1.1	-14.1	9.9		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1115	ACW-25	103.61	6.43	21.7	58,400	1.1	-14.1	9.9	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-26

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: GS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	820	NP	110.33	0.00	0.00	130.60	125.6	103-128				Weather: clear, 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	825	110.45	0.5	7.25	20.7	1576	3.7	-41.2	2.1	Low-flow purge-sample with	Clear
	827	110.48	1.0	7.16	20.6	1543	2.4	-38.6	3.1	HMI's dedicated bladder pump	
	830	110.49	1.5	7.08	20.5	1534	2.1	-40.7	3.4		
	833	110.49	2.0	7.05	20.5	1533	2.0	-41.8	2.8		
	835	110.50	2.5	7.02	20.5	1528	1.9	-41.3	2.6		
	837	110.50	3.0	7.02	20.5	1528	1.9	-40.7	2.1		
	840	110.50	3.5	7.04	20.4	1525	1.9	-38.9	2.0		
	843	110.50	4.0	7.06	20.4	1521	1.9	-36.4	1.7		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	845	ACW-26	110.50	7.06	20.4	1521	1.9	-36.4	1.7	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-27

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: GDJ
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	735	NP	110.31	0.00	0.00	177.20	167.2	160-180				Weather: Clear, 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	740	110.46	0.5	6.80	20.5	3420	4.2	-102.0	2.9	Low-flow purge-sample with	clear
	743	110.49	1.0	6.55	20.5	3430	2.6	-105.5	2.7	HMI's dedicated bladder pump	
	745	110.54	1.5	6.49	20.4	3450	1.9	-123.4	3.6		
	747	110.56	2.0	6.53	20.5	3480	1.7	-138.5	2.9		
	750	110.57	2.5	6.57	20.5	3500	1.7	-144.6	2.2		
	753	110.57	3.0	6.59	20.5	3500	1.6	-145.2	1.8		
	755	110.58	3.5	6.59	20.5	3510	1.6	-145.7	1.6		
	757	110.58	4.0	6.60	20.5	3510	1.7	-146.1	1.9		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	800	ACW-27	110.58	6.60	20.5	3510	1.7	-146.1	1.9	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-28

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: GDS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	905	NP	108.94	0.00	0.00	128.30	123.3	102-127				Weather: Clear, 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	910	109.24	0.5	6.62	20.6	519	2.5	38.7	3.1	Low-flow purge-sample with	Clear
	913	109.37	1.0	6.51	20.5	495	2.5	48.2	2.8	HMI's dedicated bladder pump	↓
	915	109.44	1.5	6.41	20.5	486	2.6	53.3	1.7		
	917	109.51	2.0	6.37	20.5	479	2.7	64.6	1.3		
	920	109.56	2.5	6.26	20.6	476	2.7	72.4	1.0		
	923	109.59	3.0	6.24	20.5	475	2.8	80.8	1.1		
	925	109.61	3.5	6.21	20.5	474	2.8	86.1	1.1		
	927	109.63	4.0	6.18	20.5	474	2.9	89.9	1.3		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	930	ACW-28	109.63	6.18	20.5	474	2.9	89.9	1.3	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-29

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: GPS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	950	NP	108.81	0.00	0.00	176.79	166.8	160-180				Weather: Clear, 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	955	108.98	0.5	6.63	21.1	554	3.6	78.0	3.2	Low-flow purge-sample with	Clear
	957	109.06	1.0	5.79	20.7	563	2.9	109.0	2.7	HMI's dedicated bladder pump	
	1000	109.12	1.5	5.82	20.6	565	2.5	107.6	2.7		
	1003	109.15	2.0	6.04	20.6	563	2.2	99.1	2.4		
	1005	109.16	2.5	6.21	20.6	564	2.1	95.0	2.2		
	1007	109.16	3.0	6.28	20.6	563	2.1	91.5	1.9		
	1010	109.17	3.5	6.33	20.6	562	2.1	90.1	1.8		
	1013	109.17	4.0	6.36	20.6	562	2.0	89.6	1.8		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	1015	ACW-29	109.17	6.36	20.6	562	2.0	89.6	1.8	Per COC	Per Lab	Lab: Eurofins TA, .
↓												
↓	800	DUP-04	109.17	6.36	20.6	562	2.0	89.6	1.8			

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-30S

* Access via cattle guard located North of the well nest, along highway; then back South on caliche rd.

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BRH
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	715	NP	104.49	0.00	0.00	122.50	117.5	95-120				Weather: Cloudy, 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	720	104.50	0.5	8.21	20.2	1328	6.5	74.6	11.6	Low-flow purge-sample with	clear
	723	104.50	1.0	7.99	20.2	1251	6.0	92.7	8.9	HMI's dedicated bladder pump	
	725	104.50	1.5	7.81	20.2	1199	5.6	100.8	7.0		
	728	104.50	2.0	7.69	20.2	1138	5.3	106.1	5.7		
	730	104.50	2.5	7.60	20.2	1125	5.1	110.4	5.1		
	733	104.50	3.0	7.57	20.2	1118	5.0	112.9	4.6		
	735	104.50	3.5	7.54	20.2	1114	4.9	114.2	4.0		
↓	738	104.50	4.0	7.52	20.2	1112	4.9	116.5	3.8		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	740	ACW-30S	104.50	7.52	20.2	1112	4.9	116.5	3.8	Per COC	Per Lab	Lab: Eurofins TA

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+ DUP-02

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-30D

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BRH
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	800	NP	104.79	0.00	0.00	187.43	177.4	165-185				Weather: Cloudy, 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	805	105.03	0.5	6.67	20.4	45,300	4.1	-18.6	10.3	Low-flow purge-sample with	clear
↓	808	105.05	1.0	6.50	20.3	47,100	2.8	-56.5	8.5	HMI's dedicated bladder pump	↓
	810	105.06	1.5	6.46	20.2	47,900	2.3	-90.2	6.1		
	813	105.07	2.0	6.41	20.2	48,200	2.0	-110.8	4.7		
	815	105.08	2.5	6.38	20.2	48,300	1.9	-119.1	4.0		
	818	105.08	3.0	6.37	20.2	48,300	1.8	-124.6	3.6		
	820	105.09	3.5	6.36	20.1	48,400	1.8	-127.3	3.1		
↓	823	105.09	4.0	6.36	20.1	48,400	1.7	-129.8	2.9		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	825	ACW-30D	105.09	6.36	20.1	48,400	1.7	-129.8	2.9	Per COC	Per Lab	Lab: Eurofins TA,
↓												
↓	1000	DUP-02	105.09	6.36	20.1	48,400	1.7	-129.8	2.9	11	11	

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+DUP -01

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-32S

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: DSD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	725	NP	107.01	0.00	0.00	122.33	117.3	95-120				Weather: Cloudy 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	730	107.11	0.5	7.72	20.2	3210	3.5	249.5	8.7	Low-flow purge-sample with	Clear
	733	107.15	1.0	7.70	20.1	3230	3.3	205.6	8.0	HMI's dedicated bladder pump	
	735	107.18	1.5	7.65	20.2	3250	3.1	200.9	7.6		
	738	107.21	2.0	7.62	20.3	3270	3.0	192.8	7.3		
	740	107.24	2.5	7.61	20.4	3290	2.9	185.6	7.0		
	743	107.27	3.0	7.60	20.5	3300	2.8	181.5	6.6		
	745	107.30	3.5	7.59	20.5	3310	2.8	178.7	5.5		
	748	107.32	4.0	7.58	20.6	3320	2.7	175.3	5.2		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	750	ACW-32S	107.32	7.58	20.6	3320	2.7	175.3	5.2	Per COC	Per Lab	Lab: Eurofins TA,
	900	DUP-01	107.32	7.58	20.6	3320	2.7	175.3	5.2	11	11	

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-32D

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: DSD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	810	NP	106.99	0.00	0.00	172.64	162.6	150-170				Weather: Cloudy 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	815	107.09	0.5	7.61	20.1	2030	2.1	196.3	3.9	Low-flow purge-sample with	Clear
	818	107.10	1.0	7.57	20.3	2060	2.0	199.6	3.3	HMI's dedicated bladder pump	
	820	107.10	1.5	7.55	20.3	2090	1.9	203.1	3.2		
	823	107.10	2.0	7.53	20.4	2110	1.8	209.4	2.3		
	825	107.11	2.5	7.51	20.5	2130	1.7	212.2	2.2		
	828	107.11	3.0	7.48	20.5	2140	1.7	216.6	2.1		
	830	107.12	3.5	7.45	20.5	2150	1.6	219.9	1.0		
	833	107.12	4.0	7.44	20.6	2150	1.6	221.5	1.2		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9.4.24	835	ACW-32D	107.12	7.44	20.6	2150	1.6	221.5	1.2	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: Doom Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BH
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	850	NA	NA	NA	NA	NA	NA	NA				Weather: Cloudy, 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	855	NA	1.0	7.70	24.9	1011	3.9	-56.5	7.1	Mr. Doom's water supply well;	clear
↓	856	↓	2.0	7.50	22.0	862	2.9	-91.2	5.6	sampled at spigot inside	↓
↓	857	↓	3.0	7.43	21.8	795	2.6	-100.3	5.0	Mr. Doom's shed; purged	↓
↓	859	↓	4.0	7.40	21.5	712	2.4	-110.7	4.2	4 gal prior to sampling	↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	900	Doom Well	NA	7.40	21.5	712	2.4	-110.7	4.2	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ENSR-01

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: ES
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1000	NP	107.79	0.00	0.00	155.35	150.4	123-148				Weather: cloudy 170s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1005	107.84	0.5	7.27	22.4	18,520	1.1	-113.3	26.9	Low-flow purge-sample with	clear
	1007	107.94	1.0	7.25	22.4	18,530	1.1	-112.4	29.3	HMI's dedicated bladder pump	
	1010	107.85	1.5	7.23	22.4	18,570	1.0	-109.9	16.1		
	1012	107.85	2.0	7.21	22.4	18,590	1.0	-108.5	12.4		
	1015	107.85	2.5	7.20	22.3	18,600	1.1	-107.4	10.9		
	1017	107.86	3.0	7.19	22.3	18,680	1.1	-106.9	9.7		
	1020	107.86	3.5	7.17	22.3	18,720	1.1	-105.1	8.2		
	1022	107.87	4.0	7.13	22.3	18,760	1.1	-102.0	7.2		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1025	ENSR-01	107.87	7.13	22.3	18,760	1.1	-102.0	7.2	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ENSR-03

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: WS
Well Condition:

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	805	NP	107.08	0.00	0.00	155.10	NA	123-148				Weather: Cloudy 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
			0.5							Low-flow purge-sample with	
			1.0							HMI's dedicated bladder pump	
			1.5								
			2.0								
			2.5								
			3.0								
			3.5								
			4.0								

Well Sampling Record

No Sample; Gauge-only

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
		ENSR-03								Per COC	Per Lab	Lab: Eurofins TA.

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* Booster Sta Combo lock 2433

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: EPNG-01

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: GDS
Well Condition: good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	1040	NP	109.17	0.00	0.00	163.93	160.9	120-160				Weather: Clear, 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	1045	109.21	0.5	7.64	21.7	585	2.8	-144.4	3.7	Low-flow purge-sample with	clear
	1047	109.21	1.0	7.66	21.6	585	2.5	-150.2	2.8	HMI's dedicated bladder pump	
	1050	109.21	1.5	7.67	21.5	584	2.6	-153.9	2.4		
	1053	109.21	2.0	7.78	21.4	580	2.6	-165.9	2.2		
	1055	109.21	2.5	7.82	21.4	579	2.7	-168.1	2.1		
	1057	109.21	3.0	7.85	21.5	577	2.7	-173.9	1.8		
	1100	109.21	3.5	7.88	21.5	577	2.7	-175.1	1.6		
	1103	109.21	4.0	7.90	21.5	576	2.7	-177.2	1.7		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	1105	EPNG-01	109.21	7.90	21.5	576	2.7	-177.2	1.7	Per COC	Per Lab	Lab: Eurofins TA,

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: fmr OXY Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: BAH
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1205	NA	NA	NA	NA	NA	NA	NA				Weather: Cloudy, 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9-4-24	1210	NA	1.0	7.50	22.4	1678	2.3	-133.2	11.2	OXY bldg. water supply well;	clear
↓	1211	↓	2.0	7.42	22.2	1622	1.9	-120.9	4.6	sampled at outdoor spigot (to	↓
	1212		3.0	7.40	22.0	1601	1.7	-112.5	3.9	right of front door; pliers may be	
	1213		4.0	7.39	21.9	1597	1.5	-109.6	3.1	needed); purge 4 gal prior to	
										sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9-4-24	1215	fmr OXY Well	NA	7.39	21.9	1597	1.5	-109.6	3.1	Per COC	Per Lab	Lab: Eurofins TA, [illegible]

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: PTP-01

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: WS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	730	NP	107.70	0.00	0.00	136.09	131.1	110-130				Weather: Cloudy 60's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
9/4/24	735	107.76	0.5	7.04	18.1	1665	1.8	-86.1	18.9	Low-flow purge-sample with	Clear
1	737	107.76	1.0	6.99	18.2	1697	1.5	-89.3	15.3	HMI's dedicated bladder pump	↓
1	740	107.76	1.5	6.97	18.2	1712	1.3	-92.5	12.6		
1	742	107.76	2.0	6.96	18.2	1715	1.1	-93.7	10.8		
1	745	107.76	2.5	6.95	18.3	1709	0.9	-95.2	9.7		
1	747	107.76	3.0	6.94	18.3	1702	0.8	-96.4	8.5		
1	750	107.76	3.5	6.93	18.3	1695	0.7	-97.9	7.2		
↓	752	107.76	4.0	6.92	18.3	1689	0.7	-98.2	6.4		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
9/4/24	755	PTP-01	107.76	6.92	18.3	1689	0.7	-98.2	6.4	Per COC	Per Lab	Lab: Eurofins TA,

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(Gauge-only)

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: RW-01

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: CS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	800	NP	105.55	0.00	0.00	181.63	NA	109-179				Weather: Clear, 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
			0.5							Low-flow purge-sample with	
			1.0							HMI's dedicated bladder pump	
			1.5								
			2.0								
			2.5								
			3.0								
			3.5								
			4.0								

Well Sampling Record

No Sample - Gauge-only

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
												Lab: Eurofins TA, .
										Per COC	Per Lab	

Released to Imaging: 9/2/2025 11:15:22 AM
Received by OCD: 3/27/2025 11:08:08 AM

(Gauge-only)

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: RW-02

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: DSD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9-4-24	1115	NP	109.35	0.00	0.00	173.65	NA	105-175				Weather: Cloudy 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
			0.5							Low-flow purge-sample with	
			1.0							HMI's dedicated bladder pump	
			1.5								
			2.0								
			2.5								
			3.0								
			3.5								
			4.0								

Well Sampling Record

No sample; Gauge-only

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
										Per COC	Per Lab	Lab: Eurofins TA,

Released to Imaging: 9/2/2025 11:15:22 AM
Received by OCD: 3/27/2025 11:08:08 AM

(Gauge-only)

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: RW-03

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: OJD
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9.4.24	1315	NP	106.35	0.00	0.00	177.69	NA	136.7 - 176.7				Weather: Cloudy 70s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
			0.5							Low-flow purge-sample with	
			1.0							HMI's dedicated bladder pump	
			1.5								
			2.0								
			2.5								
			3.0								
			3.5								
			4.0								

Well Sampling Record

No Sample; Gauge-only

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
										Per COC	Per Lab	Lab: Eurofins TA, .

Released to Imaging: 9/2/2025 11:15:22 AM
Received by OCD: 3/27/2025 11:08:08 AM

(Gauge-only)

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: RW-04

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: WS
Well Condition: Good

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
9/4/24	1010	NP	108.54	0.00	0.00	176.16	NA	154-174				Weather: Cloudy 70°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
			0.5							Low-flow purge-sample with	
			1.0							HMI's dedicated bladder pump	
			1.5								
			2.0								
			2.5								
			3.0								
			3.5								
			4.0								

Well Sampling Record

No sample; Gauge-only

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
												Lab: Eurofins TA,
										Per COC	Per Lab	

Released to Imaging: 9/2/2025 11:15:22 AM
Received by OCD: 3/27/2025 11:08:08 AM

Instrument Calibration Log

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Hydrologic Monitoring

Date	Time	pH Hanna (Std. units)	Specific Conductivity Hanna (umho/cm)	Dissolved Oxygen Hanna (Slope Cal. in saturated air)	Turbidity Lamotte (NTU)	ORP Hanna HI 7020 Soln (200-275 mV)		Initials / Comments
3/27/24	730	4.01/7.00	1,000	100%	10.0	238.9		KT
3/27/24	735	4.01/7.00	1,000	100%	10.0	250.2		TAB
6-5-24	730	4.01/7.00	1,000	100%	10.0	241.7		MDB
6-5-24	735	4.01/7.00	1,000	100%	10.0	248.8		TAB
9-4-24	655	4.01/7.00	1,000	100%	10.0	231.7		BRH
9-4-24	657	4.01/7.00	1,000	100%	10.0	235.9		WS
9/4/24	701	4.01/7.00	1,000	100%	10.0	271.9		CAS
9/4/24	703	4.01/7.00	1,000	100%	10.0	257.6		CSS
9/4/24	705	4.01/7.00	1,000	100%	10.0	267.2		OJD

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Brian Hillin / HMI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-132859-43299.1
Client Contact: Joe Wiley	Phone: 713-653-3127	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 4
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP (3924 = Annual Event for S,H)	Project #: 40012867			
Site: CC Wallace.Gilmore@aecom.com	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
CB - ZnAcetate/NaOH
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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	N	D	CB		
ACW-01	9-4-24	830	G	Water			✓	✓	✓	✓	✓	✓	6	
ACW-02A		750		Water			✓	✓	✓	✓	✓	✓	6	
ACW-04		920		Water			✓	✓	✓	✓	✓	✓	6	
ACW-05		1210		Water			✓	✓	✓	✓	✓	✓	6	
ACW-06		1145		Water			✓	✓	✓	✓	✓	✓	6	
ACW-07		1020		Water			✓	✓	✓	✓	✓	✓	6	
ACW-09		1055		Water			✓	✓	✓	✓	✓	✓	6	
ACW-10		1155		Water			✓	✓	✓	✓	✓	✓	6	
ACW-11		1330		Water			✓	✓	✓	✓	✓	✓	6	
ACW-12		1145		Water			✓	✓	✓	✓	✓	✓	6	
ACW-13		1240		Water			✓	✓	✓	✓	✓	✓	6	

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
[signature]	9-4-24 1600	HMI			
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:

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Brian Hillin/HMI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-132859-43299.2
Client Contact: Joe Wiley	Phone: 713-653-3127	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 2 of 4
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site: cc Wallace.Gilmore@pacom.com	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
CB - ZnAcetate/NaOH
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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	N	D	CB		
ACW -14	9-4-24	940	G	Water			✓	✓	✓	✓	✓	✓	6	
ACW- 15		1240		Water			✓	✓	✓	✓	✓	✓	6	
ACW- 16		950		Water			✓	✓	✓	✓	✓	✓	6	
ACW- 17		835		Water			✓	✓	✓	✓	✓	✓	6	
ACW- 18		915		Water			✓	✓	✓	✓	✓	✓	6	
ACW- 19		1045		Water			✓	✓	✓	✓	✓	✓	6	
ACW- 20		1000		Water			✓	✓	✓	✓	✓	✓	6	
ACW- 21		1135		Water			✓	✓	✓	✓	✓	✓	6	
ACW- 22		1010		Water			✓	✓	✓	✓	✓	✓	6	
ACW- 23		920		Water			✓	✓	✓	✓	✓	✓	6	
ACW- 24		1100		Water			✓	✓	✓	✓	✓	✓	6	

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
	9-4-24 1600	HMI			
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:

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Brian Hilliard/HmI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-132859-43299.3
Client Contact: Joe Wiley	Phone: 713-653-3127	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 3 of 4
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site: CC Wallace.Gilmore@aecom.com	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
CB - ZnAcetate/NaOH
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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	N	D	CB		
ACW-25	9-4-24	1115	G	Water			✓	✓	✓	✓	✓	✓	6	
ACW-26		845		Water			✓	✓	✓	✓	✓	✓	6	
ACW-27		800		Water			✓	✓	✓	✓	✓	✓	6	
ACW-28		930		Water			✓	✓	✓	✓	✓	✓	6	
ACW-29		1015		Water			✓	✓	✓	✓	✓	✓	6	
ACW-30S		740		Water			✓	✓	✓	✓	✓	✓	6	
ACW-30D		825		Water			✓	✓	✓	✓	✓	✓	6	
ACW-32S		750		Water			✓	✓	✓	✓	✓	✓	6	
ACW-32D		835		Water			✓	✓	✓	✓	✓	✓	6	
ENSR-01		1025		Water			✓	✓	✓	✓	✓	✓	6	
EPNG-01		1105		Water			✓	✓	✓	✓	✓	✓	6	

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
[signature]	9-4-24 1600	HmI			
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:

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Brian Hillin / HMT Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-132859-43299.4
Client Contact: Joe Wiley	Phone: 713-653-3127	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 4 of 4
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site: CC Wallace, Gilmore@aecom.com	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
CB - ZnAcetate/NaOH
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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	N	D	CB		
PTP-01	9-4-24	755	G	Water			✓	✓	✓	✓	✓	✓	6	
Doom well		900		Water			✓	✓	✓	✓	✓	✓	6	
FMT OXY Well		1215		Water			✓	✓	✓	✓	✓	✓	6	
DUP-01		900		Water			✓	✓	✓	✓	✓	✓	6	
DUP-02		1000		Water			✓	✓	✓	✓	✓	✓	6	
DUP-03		800		Water			✓	✓	✓	✓	✓	✓	6	
DUP-04		800		Water			✓	✓	✓	✓	✓	✓	6	
TB-01	↓	—	↓	Water					✓				2	
				Water										
				Water										

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
[signature]	9-4-24 1600	HMT			
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:

KINDER MORGAN

Analytical Request Form (ARF)

Project Information

KM Entity Name: EPNG

Laboratory Name: Eurofins Environment Testing Southeast Lab Location: Pensacola, FL

Is This A KM Program Laboratory? **YES** X **No** ____

Project / AOC Name (**Match ENFOS AOC**): Jal #4 Gas Plant RWIP

Consultant: AECOM

ARF Initiator Name: Wally Gilmore

Date: 8/9/2024

Scope of Sampling: Quarterly Groundwater Sampling (3Q2024)

Remediation Department Project: Yes **Non-Remediation Department Project:** ____

Remediation Department Sampling Projects - To Be Invoiced in Enfos

Work Directive Must be in Place and Information Below Provided By the Kinder Morgan Project Manager PRIOR TO COMPLETION of this ARF

Laboratory's Work Directive #: WD1040015

Lab Cost Cluster: CC06_Monitoring **Lab** Subtask: Lab - I

Non-Program Laboratories
Non-Remediation Dept. Sampling

Email invoice to KM Project Manager ____ Invoice in Ariba ____ Invoice Consultant ____

Sample Event Description and Contaminants of Concern: 3rd Quarter 2024 -BTEX, Chloride, Sodium, TDS, Specific Conductance, Sulfide

Site Address / Location: 9 Miles North of Jal, NM on Hwy 18

City: Jal State: NM Country: USA

Regulatory Agency: NMOCD

Project Type (RCRA, CERCLA, TRRP, etc.):

Anticipated Start Date: 9/3/2024 Anticipated Completion Date: 9/3/2024

Frequency of Sampling: Quarterly Sampling Plan Attached? **(Y/N)**: No

Are there Additional Requests/ Special Instructions on Page 2? **(Y / N)** No

Title(s)/Date(s) of attached sampling information:

Project Management Contacts

KM Contact

KM Project Manager: Joe Wiley ☑ Copy on ARF Distribution

KM Office Location: Houston, TX 77002

Address: 1001 Louisiana, Room 1445B
Houston, TX 77002

Phone : 713-420-3475 E-mail: Joe_Wiley@KinderMorgan.com

Consultant Contact

Consultant Company Name: AECOM ☑ Copy on ARF Distribution

Consultant Project Manager: Wally Gilmore

Consultant PM Office Location: Houston, TX

Address: 19219 Katy Freeway, Suite 100
Houton, TX 77094

Phone : 713-542-9523 E-mail: wallace.gilmore@aecom.com

Laboratory Contact

Laboratory Name / Location: Eurofins Environment Testing Southeast ☑ Copy on ARF Distribution

Laboratory Project Manager: Cheyenne R. Whitmire

Lab PM Office Location: Pensacola, FL

Address: 3355 McLemore Drive
Pensacola, FL 32514

Phone : 850-471-6222 E-mail: Cheyenne.Whitmire@et.eurofinsus.com

Additional Parties to Receive ARF:

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Data Deliverables

Data Package Deliverables supplied to:	Wally Gilmore - AECOM					
Required Data Deliverables Format(s):	PDF	X	Hard Copy		Other - Specify	
	Excel	X	Equis			
Size Limitation of deliverable for e-mail:	10	MB	Unlimited			

Forward the Electronic Data Deliverables to:

Company	Contact Name	E-Mail Address
AECOM	Wally Gilmore	wallace.gilmore@aecom.com

Special Instructions for data package or electronic deliverable?: Enter special instructions below - 4 text lines available:

Laboratory Cost Sheets

Does the Kinder Morgan Project Manager want the Lab Cost Sheet completed by the laboratory? **Yes** **No** XXX

COST SHEETS CAN ONLY BE RETURNED DIRECTLY TO THE KM PROJECT MANAGER - CANNOT BE SENT TO CONSULTANTS

LABORATORY CONTRACT CONFIDENTIALITY REQUIREMENTS PROHIBIT DISTRIBUTION OF COSTS BY LAB OUTSIDE KINDER MORGAN

Record of ARF Initiation and Revisions

ARF Initiator:	Name:	Wally Gilmore	Date:	8/9/2024
Laboratory Acceptance:	Name:		Date:	
Revision 1:	Name:		Date:	
	Types of Changes:			
Revision 2:	Name:		Date:	
	Types of Changes:			
Revision 3:	Name:		Date:	
	Types of Changes:			
Revision 4:	Name:		Date:	
	Types of Changes:			

LAB USE ONLY

Laboratory Internal Project Number:

Parameters and Analytical Methods Requested — SINGLE SAMPLE EVENT

Unless otherwise noted, all fields should be completed by ARF Initiator. ARF Version 8 _2-14-2023

Projected Analytical Plan & Number of Samples to be Collected

Matrix Codes: A=Air W=Water S=Soil WP=wipe O=Oil OT=Other

Compound List or Parameter	Analytical Method	Matrix Code	DP/TAT Level Code	Number of Investigatory Samples	Number of Samples for Hold/Archival	Quality Control Samples: MS/MSD Pairs	Quality Control Samples: Trip Blanks	Quality Control Samples: Number of Rinse, Equipment, and Field Blanks	Quality Control Samples: Field Duplicates	Total Number of Samples Expected	Laboratory Use Only: Number of Samples Received by Laboratory	Laboratory Use Only: Total Number of Samples Analyzed
BTEX	8260B	W	L2/28D	36	0	0	3	0	4	**43**		
Total Dissolved Solids	SM 2540C	W	L2/28D	36	0	0	0	0	4	**40**		
Chloride	EPA SW846 9056	W	L2/28D	36	0	0	0	0	4	**40**		
Sodium	PA SW846 6010	W	L2/28D	36	0	0	0	0	4	**40**		
Specific Conductance	EPA 120.1	W	L2/28D	36	0	0	0	0	4	**40**		
Sulfide	SM 4500_S2_D	W	L2/28D	36	0	0	0	0	4	**40**		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		
										0		

Sampling Frequency: **SINGLE SAMPLE EVENT ONLY**

Are special regulatory requirements, detection limits or action levels needed? Standard method detection limits.

SW-846 Method 5035 volatile organic analyses requested **(Y / N)**? No — If yes, what container is required? Tared Vials ____ Methanol Vials ____ 4-oz. jars ____

EnCore Kits ____ Terra Core Kits ____ Other ____

Is there an approved QAPP? **(Y / N)** No IF YES - FORWARD TO LABORATORY Title: ____

Revision/Date ____

Reporting of estimated values "J" required for results less than the reporting limit required? Yes X No ____

Are tentatively identified compounds (TICs) required? YES ____ Volatiles ____ Semivolatiles ____

Sample retention time (post reporting): 30 days (standard) X Other - Specify Retention Time ____

Ship Bottles to:		**Shipping Return:**		
Company	Hydrologic Monitoring	FedEx X	UPS	Laboratory Courrier
Contact Name	Scott Ude	Sample Crew Drop Samples at Laboratory		Other - Specify:
Location Name				
Street Address	1654 W Sam Houston Pkwy N	**Saturday Delivery**		
City, State, Zip	Houston, Texas 77043			
Phone Number	832-347-4521			
Date/Time Bottles Required		**8/20/2024 cob**		

Additional Requests and Instructions

Please have sampling kits and return shipping labels delivered to Hydrologic Monitoring by cob August 20, 2024.
Please send FedEx return labels

Phone Logs and Project Correspondence

Released to Imaging: 9/2/2025 11:15:22 AM

HMI
Groundwater

Hydrologic Monitoring
1654 W. Sam Houston Pkwy. N.
Houston, Texas 77043

Phone 713.464.5206
Fax 713.464.5207

M E M O R A N D U M

Low-Flow Groundwater Sampling Procedures
El Paso Natural Gas Company
Jal #4 Gas Plant, Lea County, New Mexico

HMI conducts low-flow groundwater sampling in accordance with TCEQ and EPA guidelines (Puls and Barcelona, 1996 EPA Guidance on Low-Flow Groundwater Sampling, REV 4, September 19, 2017).

Groundwater Sampling Methodology

HMI conducts low-flow groundwater sampling using bladder pumps and polyethylene tubing dedicated in sampled wells at the site, during its first groundwater sampling event at the site in March 2017. Pumps were dedicated in the wells to increase sample quality and field efficiency, and remain property of HMI. HMI would appreciate the opportunity to retrieve the pumps at such time that HMI no longer conducts monitoring at the site.

Purging commences through a sealed flow-through cell at EPA-recommended purge rates (generally 0.1 to 0.2 liters/minute), selected to limit the monitored drawdown during the purging process. Each HMI flow-through cell has a volume of 0.5 liters. Field parameter readings are collected at 0.5-liter intervals (the equivalent of one cell volume "turnover"). Field parameters of pH, specific conductivity, temperature, dissolved oxygen, and oxidation-reduction potential are monitored inside the cell. Turbidity is monitored outside of the cell. Purging continues until a requisite volume of groundwater is purged (a minimum of 3,000 ml or six flow-through cell volumes), and field parameters have stabilized in accordance with the EPA guidance below:

Water Quality Parameters (Stabilization Parameters in Accordance with EPA (2002), Groundwater Sampling Guidelines for Superfund and RCRA Project Managers, Yeskis & Zavala, EPA/542:S-02/001)

- pH +/- 0.1 units;
- Temperature -
- Conductivity +/- 3%
- Dissolved Oxygen +/- 0.3 mg/L
- ORP +/- 10%
- Turbidity 10%

Groundwater samples are collected directly into laboratory-supplied containers. Groundwater samples are placed in iced coolers, and remain in HMI custody until delivery to the laboratory.

Decontamination Procedures

Non-dedicated equipment, (i.e., only the electronic water level probe for this project) is properly decontaminated prior to use and between wells. The decontamination procedure for the water level probe consists of a spray of isopropanol (likely not warranted at this site), followed by a thorough wash in distilled water and Liquinox non-phosphate soap, with a final distilled water. The probe is allowed to air dry.

HMI Deliverables

HMI provides thorough field documentation of groundwater monitoring activities performed, including groundwater sampling forms, field equipment calibration logs, a brief field narrative, and an Excel table summarizing gauging data and groundwater field parameters.

Emergency Contacts

Jal Police	575-395-2501
Jal Fire/Rescue	575-395-2221
Lea Co Sheriff	575-396-3611
Emergency	911

Location

Address:	Hwy 18 mile marker 18 & Deep Wells Rd
GPS Main Gate:	32.253734, -103.193437
GPS East Gate:	32.253353, -103.189635

Operators

1ST Ricardo RFranco2@[illegible] 505-240-7204

~~1ST Jesse JMoore6@MARATHON PETROLEUM.com 575-725-1797/432-257-9687~~ cell

2ND Luis 575-605-0149

HMI
Groundwater

Hydrologic Monitoring
1654 W. Sam Houston Pkwy. N.
Houston, Texas 77043

Phone 713.464.5206
Fax 713.464.5207

December 16, 2024

Mr. Wally Gilmore, P.G.
AECOM
19219 Katy Freeway, Suite 100
Houston, Texas 77094

Subject: 4Q24 Groundwater Monitoring, December 10, 2024
Jal #4 Gas Plant
Jal, New Mexico

Dear Mr. Gilmore:

This document summarizes groundwater monitoring field activities conducted by HMI on behalf of El Paso Natural Gas Company (EPNGC) and AECOM at the Jal #4 Gas Plant.

Contents

1. Field Activities Narrative
2. Table 1: Gauging Data and Groundwater Field Parameters, December 10, 2024
3. Groundwater Sampling Forms and Field Instrument Calibration Record, COC
4. ARF
5. Groundwater Sampling SOP
6. Pre-Mobilization Site Notification

Field Activities Narrative

1. HMI equipped the sample well network with HMI-owned dedicated bladder pumps in 2017 to increase sample quality and field efficiencies. HMI requests the opportunity to retrieve these pumps when HMI's monitoring activities are completed at the site.

2. In 2H18, two well nests were installed (ACW-30S + ACW-30D and ACW-32S + ACW-32D). In 2H19, two additional well nests were installed (ACW-26 & ACW-27 and ACW-28 & ACW-29 (ACW-26 is shallow & ACW-27 is deep; ACW-28 is shallow & ACW-29 is deep).

3. Per KM, the larger "annual" event (generally ~36 well sampling + sitewide gauging) is conducted in 3Q, since 2023. The smaller "quarterly" events (sampling scope generally includes ACW-13, 14, 15, Doom Well and Fmr. Oxy Well sampling + sitewide gauging) are conducted in 1Q, 2Q, and 4Q, since 2023.

4. Groundwater sampling was conducted in accordance with EPA guidelines (Puls and Barcelona, 1996 EPA Guidance on Low-Flow Groundwater Sampling, REV 4, September 19, 2017), and the attached Groundwater Sampling SOP. Low-flow purging was conducted at EPA-recommended purge rates of 0.1 - 0.2 liters/minute. Field parameters of pH, specific conductivity, temperature, dissolved oxygen, and oxidation-reduction potential were monitored at ½-liter intervals, in an air-tight flow-through cell. Turbidity was measured outside the cell. Well drawdown was monitored at the same intervals. Upon field parameter stabilization, the water input tube was disconnected from the flow-through cell, and groundwater samples were collected directly into lab-supplied bottles and placed in iced coolers. The groundwater sampling process is documented on the attached groundwater sampling forms.

5. Field QA/QC Sampling:

   Quarters 1, 2, and 4 Events:
   Dup-01 @ ACW-13 (all analytes)
   (No field blanks requested per ARF)
   Trip Blank-01 (BTEX)

   Quarter 3 Event (represents the larger "annual" event):
   Dup-01 @ ACW-32S (all analytes)
   Dup-02 @ ACW-30D (all analytes)
   Dup-03 @ ACW-20 (all analytes)
   Dup-04 @ ACW-29 (all analytes)
   (No field blanks requested per ARF)
   Trip Blank-01 (BTEX)

6. Since 4Q20 - Eurofins-Pensacola (Cheyenne Whitmire, PM, since 1Q22)
   3355 McLemore Drive, Pensacola, FL 32514
   FedEx account # 2301-5223-3 (in event no prepaid labels are provided by lab)

   Note - Dissolved Gas (*propane*, *methane*, *ethane*, *N-butane*) analyzed in 4Q21

7. WINDCRUSHER™ *ventilated barrel cover* was purchased by Texas-based EPNGC, in Texas, having New Mexico Environment Department (NMED) approval to safely evaporate investigation derived waste (IDW) purgewater generated during environmental investigations at the Jal, New Mexico site. A 55-gallon steel IDW drum is fitted with WINDCRUSHER™ *ventilated barrel cover*, with the drum elevated slightly, inside an overpack drum. The overpack drum sits on a wooden pallet and is strapped to a steel rail "cage" near RW-2 (E-side of Hwy). IDW purgewater is evaporating "24/7" since 2020. Ventilating Barrel Contents: (5 gal added in 1Q24 was dry in 2Q24; 5 gal added in 2Q24 was dry in 3Q24; 36 gal added during the 3Q24 had evaporated down to 5 gallons upon arrival. 5 gal purgewater was added at the completion of the 4Q24 event (10 gallons total)).



Jal #4 Gas Plant, Jal, New Mexico – IDW drum (coated inside & out, with Flex-Seal waterproofing protectant



Jal #4 Gas Plant, Jal, New Mexico – IDW purgewater drum with WINDCRUSHER™ ventilated barrel cover successfully evaporates groundwater sampling purgewater "24-7", since 2020



Inside of IDW purgewater drum (5 gallons remaining from 3Q24 event). 5 gal purgewater added after the 4Q24 event, for a total of 10 gallons.

8. During this event the Doom Well was not operational and unable to be sampled. Per conversations with Mr. Doom, the well could not be brought back online while on site, but will be operational for the 1Q25 event.

Site notes:

Since 2Q22, HMI shall notify a contact below, in advance of daily activities at Jal #4 Gas Plant (i.e., the plant may be closed - onsite personnel cannot not be expected).
Felix, 575-689-5509; Ricardo Franco, 505-240-7204; or "Luis", 575-605-0149.

Per site personnel, since 1Q23, alternate site access may be through specified gate access, if no personnel are onsite, per JM to HMI's GDS.

Well EPNG-01 area gate lock code (2-4-3-3).

Monitor well lock keys are maintained with HMI files.

Fmr OXY Well is sampled at outdoor spigot; Doom Well is sampled at spigot inside of well shed (Mr. Jerold Doom's ranch; nephew-Dylan Doom; follow driveway into ranch, then down to the left; shed on the right).

HMI appreciates the opportunity to assist EPNGC and AECOM with this project. If you have any questions or require additional information please feel free to call us at 713-464-5206.

Sincerely,

HYDROLOGIC MONITORING

Scott C. Ude



Scott C. Ude, P.G.

The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on December 16, 2024.

Attachments

cc: Joe Wiley, P.G., El Paso Natural Gas Company
Greg Scherbenske, P.G., HMI
Brian Hillin, HMI

Table 1
Gauging Data and Groundwater Field Parameters

El Paso Natural Gas Company - Jal #4 Gas Plant
Lea County, New Mexico
4Q24

Well I.D.	1,2,4Q24 # Wells Scoped to be Sampled	1,2,4Q24 # Wells Scoped to be Gauged	3Q24 # Wells Scoped to be Sampled	3Q24 # Wells Scoped to be Gauged	Ded. Blad Pump	Top of Casing Elev (ft-msl)	Depth to LNAPL (ft-toc)	Depth to Water (ft-toc)	LNAPL Thickness (ft)	DNAPL Thickness (ft)	GW Elev* (ft-msl)	Water Column (ft)	Total Depth (ft-toc)	Stickup (ft)	Screen Interval (ft-bgs)	Sample Intake (ft-toc)	Casing Diam	pH (S.U.)	Temp. (C)	S.C. (umhos)	D.O. (mg/L)	ORP (mV)	Turbidity (NTU)	Water Clarity	Comments
ACW-01		1	1		Yes	3,302.15	NP	105.30	0.00	0.00	3,196.85	30.15	135.45	1.9	110-130	130.5	4" PVC	8.41	20.4	21,200	0.8	-219.9	6.8	Clear	
ACW-02A		2	2		Yes	3,302.16	NP	105.61	0.00	0.00	3,196.55	19.88	125.49	2.0	98-118	120.5	4" PVC	7.65	21.1	13,260	0.6	-272.7	10.7	Clear	ORP confirmed
ACW-03		3		1	No	3,301.62	NP	105.24	0.00	0.00	3,196.38	29.88	135.12	1.6	112-132	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
ACW-04		4	3		Yes	3,302.05	NP	107.11	0.00	0.00	3,194.94	63.99	171.10	1.7	154-169	169.1	4" PVC	6.52	20.4	86,300	1.8	-149.8	4.7	Clear	
ACW-05		5	4		Yes	3,297.18	NP	103.24	0.00	0.00	3,193.94	14.13	117.37	1.5	105-115	114.4	4" PVC	6.68	20.7	8,390	3.0	-58.6	5.1	Clear	
ACW-06		6	5		Yes	3,302.84	NP	107.39	0.00	0.00	3,195.45	15.24	122.63	1.7	110-120	119.6	4" PVC	8.89	20.7	6,030	1.4	-272.6	3.4	Clear	
ACW-07		7	6		Yes	3,297.63	NP	102.41	0.00	0.00	3,195.22	14.98	117.39	1.5	105-115	114.4	4" PVC	7.24	20.6	7,560	1.2	-161.6	3.6	Clear	
ACW-08		8		2	No	3,299.54	NP	103.38	0.00	0.00	3,196.16	56.53	159.91	1.2	140-160	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
ACW-09		9	7		Yes	3,304.69	NP	110.34	0.00	0.00	3,194.35	52.14	162.48	2.4	140-160	159.5	4" PVC	6.29	21.1	27,800	2.3	-232.5	7.2	Clear	
ACW-10		10	8		Yes	3,299.82	NP	106.46	0.00	0.00	3,193.36	56.58	163.04	2.5	140-160	160.0	4" PVC	6.51	20.6	16,900	2.1	77.1	1.9	Clear	
ACW-11		11	9		Yes	3,301.64	NP	105.70	0.00	0.00	3,195.94	55.98	161.68	2.1	140-161	159.7	4" PVC	6.37	20.7	39,400	2.3	64.2	3.0	Clear	
ACW-12		12	10		Yes	3,301.80	NP	109.44	0.00	0.00	3,192.36	62.49	171.93	2.5	150-170	168.9	4" PVC	6.52	21.9	8,480	1.5	-23.8	5.1	Clear	
ACW-13	1		11		Yes	3,291.72	NP	99.37	0.00	0.00	3,192.35	76.25	175.62	2.0	153-173	172.6	4" PVC	6.51	19.6	5,020	2.2	127.3	3.7	Clear	Dup-01 @ ACW-13 (all analytes)
ACW-14	2		12		Yes	3,294.74	NP	100.32	0.00	0.00	3,194.42	75.90	176.22	2.0	157-177	173.2	4" PVC	6.54	18.7	1,072	5.7	123.1	2.6	Clear	pH confirmed
ACW-15	3		13		Yes	3,292.75	NP	102.20	0.00	0.00	3,190.55	69.37	171.57	2.3	150-170	168.6	4" PVC	6.36	19.6	1,398	3.2	120.4	1.9	Clear	
ACW-16		13	14		Yes	3,307.89	NP	109.39	0.00	0.00	3,198.50	67.55	176.94	2.4	156-176	174.9	4" PVC	7.11	21.3	29,700	0.6	-160.5	6.4	Clear	
ACW-17		14	15		Yes	3,306.17	NP	108.50	0.00	0.00	3,197.67	63.28	171.78	2.6	151-171	169.8	4" PVC	7.00	21.1	14,560	1.4	-159.3	5.7	Clear	
ACW-18		15	16		Yes	3,303.15	NP	107.36	0.00	0.00	3,195.79	69.84	177.20	2.5	160-180	175.2	4" PVC	6.42	20.6	119,200	0.6	-80.2	4.6	Clear	
ACW-19		16	17		Yes	3,302.68	NP	106.36	0.00	0.00	3,196.32	14.80	121.16	2.2	98-118	119.2	4" PVC	7.07	20.3	10,420	1.7	-193.7	5.4	Clear	Locking mechanism repaired in 2Q24
ACW-20		17	18		Yes	3,303.50	NP	108.55	0.00	0.00	3,194.95	65.48	174.03	2.2	154-174	172.0	4" PVC	6.53	20.3	119,800	1.4	-258.8	4.8	Clear	Dup-03 @ ACW-20 (all analytes)
ACW-21		18	19		Yes	3,301.82	NP	105.81	0.00	0.00	3,196.01	14.71	120.52	2.1	98-118	118.5	4" PVC	7.18	20.8	1,820	2.0	-199.7	3.8	Clear	
ACW-22		19	20		Yes	3,306.24	NP	111.97	0.00	0.00	3,194.27	13.07	125.04	2.5	102-122	123.0	4" PVC	6.99	21.1	2,200	1.7	-108.7	7.1	Clear	
ACW-23		20	21		Yes	3,306.29	NP	112.05	0.00	0.00	3,194.24	57.66	169.71	2.3	147-167	167.7	4" PVC	7.01	21.2	2,610	1.8	-93.4	5.7	Clear	
ACW-24		21	22		Yes	3,305.56	NP	111.28	0.00	0.00	3,194.28	77.84	189.12	2.2	166-186	187.1	4" PVC	6.11	20.9	112,200	1.2	36.9	2.6	Clear	
ACW-25		22	23		Yes	3,297.59	NP	103.35	0.00	0.00	3,194.24	71.33	174.68	2.1	151-171	172.7	4" PVC	6.44	20.5	53,200	2.6	-45.7	13.7	Clear	
ACW-26		23	24		Yes	3,309.27	NP	110.41	0.00	0.00	3,198.86	20.19	130.60	1.6	103-128	125.6	4"PVC	7.21	20.2	1,861	2.2	-18.1	3.7	Clear	
ACW-27		24	25		Yes	3,309.22	NP	110.37	0.00	0.00	3,198.85	66.83	177.20	1.8	160-180	167.2	4"PVC	6.99	20.3	3,870	2.9	-65.2	3.5	Clear	
ACW-28		25	26		Yes	3,306.49	NP	109.02	0.00	0.00	3,197.47	19.28	128.30	1.8	102-127	123.3	4"PVC	6.98	19.9	527	3.6	124.2	3.7	Clear	
ACW-29		26	27		Yes	3,306.35	NP	108.87	0.00	0.00	3,197.48	67.92	176.79	1.8	160-180	166.8	4"PVC	7.05	19.8	630	2.9	125.7	3.6	Clear	Dup-04 @ ACW-29 (all analytes)
ACW-30S		27	28		Yes	3,300.17	NP	104.55	0.00	0.00	3,195.62	17.95	122.50	2.3	95-120	117.5	3" PVC	7.05	20.2	764	4.4	97.4	4.4	Clear	
ACW-30D		28	29		Yes	3,300.15	NP	104.85	0.00	0.00	3,195.30	82.58	187.43	2.3	165-185	177.4	3" PVC	6.33	20.1	40,200	1.3	-206.7	3.2	Clear	Dup-02 @ ACW-30D (all analytes)
ACW-32S		28	30		Yes	3,299.60	NP	107.00	0.00	0.00	3,192.60	15.33	122.33	2.5	95-120	117.3	3" PVC	7.77	20.8	2,920	2.9	98.9	7.6	Clear	Dup-01 @ ACW-32S (all analytes)
ACW-32D		29	31		Yes	3,299.61	NP	107.01	0.00	0.00	3,192.60	65.63	172.64	2.5	150-170	162.6	3" PVC	7.80	21.0	1,503	1.3	176.5	5.0	Clear	
Doom Well	4		32		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Not sampled; well was not operational, per Mr. Doom							
ENSR-01		30	33		Yes	3,306.71	NP	107.70	0.00	0.00	3,199.01	47.65	155.35	1.6	123-148	150.4	4" PVC	6.90	21.6	18,700	2.0	-95.2	8.1	Clear	
ENSR-03		31		3	No	3,305.05	NP	107.16	0.00	0.00	3,197.89	47.94	155.10	1.5	123-148	NA	4" PVC	NS	NS	NS	NS	NS	NS	NS	
EPNG-01		32	34		Yes	3,310.03	NP	109.25	0.00	0.00	3,200.78	54.68	163.93	AG	120-160	160.9	6" Steel	7.92	20.6	844	3.1	-85.9	2.2	Clear	
Fmr OXY Well	5		35		No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.63	11.3	970	1.7	-106.5	3.7	Clear	
PTP-01		33	36		Yes	3,305.67	NP	107.72	0.00	0.00	3,197.95	NM	136.09	2.3	110-130	131.1	2" PVC	6.68	20.6	1,626	0.7	-174.4	5.3	Clear	
RW-01		34		4	No	3,302.16	NP	105.55	0.00	0.00	3,196.61	76.08	181.63	1.8	109-179	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-02		35		5	No	3,303.71	NP	109.34	0.00	0.00	3,194.37	64.31	173.65	1.4	105-175	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-03		36		6	No	3,302.65	NP	106.29	0.00	0.00	3,196.36	71.40	177.69	1.4	136.7-176.7	NA	NA	NS	NS	NS	NS	NS	NS	NS	
RW-04		37		7	No	3,303.26	NP	108.55	0.00	0.00	3,194.71	67.61	176.16	1.6	154-174	NA	NA	NS	NS	NS	NS	NS	NS	NS	

Notes: Monitoring completed by HMI on behalf of El Paso Natural Gas Company
Gauging and groundwater sampling conducted December 10, 2024
Top of casing survey data, per Piper Surveying, 2/9/16, revised 7/23/18, per AECOM email 9-11-18
NP = No product (LNAPL), NA = Not applicable, NS = Not sampled, NM = Not measured, AG = At-Grade Surface Completion
ACW-30S, ACW-30D, ACW-32S, and ACW-32D (installed in 2H18), equipped with HMI-owned bladder sampling pumps; ACW-32S & 32D sampled quarterly, per EPNG, 7-10-20; then "not sampled since 1Q21"
ACW-26, ACW-27, ACW-28, and ACW-29 (installed 2H19), equipped with HMI-owned bladder sampling pumps; these wells to be sampled during 4Q (large) events ongoing, per EPNG
* GW elevation data uncorrected for ave. density of water column as a function of TDS

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+ DUP-01

Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-13

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/11/24	835	NP	99.37	0.00	0.00	175.62	172.6	153-173				Weather: Clear 30°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/11/24	840	99.43	0.5	6.79	19.2	4550	3.2	133.0	3.6	Low-flow purge-sample with	Clear
	843	99.46	1.0	6.39	19.7	4890	3.0	132.6	3.9	HMI's dedicated bladder pump	
	845	99.51	1.5	6.45	19.6	4980	2.9	131.6	4.2		
	847	99.55	2.0	6.47	19.8	4960	2.6	130.2	4.4		
	850	99.57	2.5	6.49	19.8	4990	2.5	129.8	4.0		
	853	99.59	3.0	6.50	19.6	5003	2.4	128.2	3.9		
	855	99.61	3.5	6.51	19.6	5010	2.3	127.6	3.8		
	857	99.63	4.0	6.51	19.6	5020	2.2	127.3	3.7		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12/11/24	900	ACW-13	99.63	6.51	19.6	5020	2.2	127.3	3.7	Per COC	Per Lab	Lab: Eurofins TA,
12/11/24	1000	DUP-01	99.63	6.51	19.6	5020	2.2	127.3	3.7	same	same	

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-14

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: TAB
Well Condition: OK

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/11/24	730	NP	100.32	0.00	0.00	176.22	173.2	157-177				Weather: Clear 20°

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	*√√ pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/11/24	735	100.42	0.5	6.34	18.8	1078	8.4	119.8	4.0	Low-flow purge-sample with	Clear
	737	100.47	1.0	6.40	18.6	1070	7.2	120.4	3.6	HMI's dedicated bladder pump	
	740	100.50	1.5	6.44	18.5	1069	6.9	121.2	3.4		
	743	100.52	2.0	6.45	18.5	1067	6.5	121.3	3.1		
	745	100.53	2.5	6.47	18.7	1070	6.0	121.3	3.0		
	747	100.53	3.0	6.50	18.7	1071	5.8	122.6	2.9		
	750	100.53	3.5	6.52	18.7	1071	5.7	122.9	2.6		
	753	100.53	4.0	6.54	18.7	1072	5.7	123.1	2.6		

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12/11/24	755	ACW-14	100.53	6.54	18.7	1072	5.7	123.1	2.6	Per COC	Per Lab	Lab: Eurofins TA, [illegible]

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: ACW-15

Hydrologic Monitoring
Houston, Texas

Initials: TAB
Well Condition: OK

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/11/24	930	NP	102.20	0.00	0.00	171.57	168.6	150-170				Weather: Clear 30s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12/11/24	935	102.22	0.5	6.42	19.5	1854	3.9	106.2	4.0	Low-flow purge-sample with	Clear
	937	102.23	1.0	6.29	19.3	1479	3.8	114.4	4.1	HMI's dedicated bladder pump	
	940	102.23	1.5	6.30	19.6	1429	3.6	116.3	3.8		
	943	102.23	2.0	6.33	19.5	1428	3.4	118.2	3.5		
	945	102.23	2.5	6.34	19.6	1401	3.3	119.4	2.6		
	947	102.23	3.0	6.35	19.6	1399	3.2	119.8	2.4		
	950	102.23	3.5	6.36	19.6	1398	3.2	120.1	2.0		
↓	953	102.23	4.0	6.36	19.6	1398	3.2	120.4	1.9		↓

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12/11/24	955	ACW-15	102.23	6.36	19.6	1398	3.2	120.4	1.9	Per COC	Per Lab	Lab: Eurofins TA, [illegible]

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: Doom Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: MDB/TAB
Well Condition: *See note

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12/10/24		NA	NA	NA	NA	NA	NA	NA				Weather: NA

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
			1.0							Mr. Doom's water supply well;	
			2.0	not sampled - well was not						sampled at spigot inside	
			3.0	operational. Per conversation w/						Mr. Doom's shed; purged	
			4.0	Mr. Doom, the well could not be						4 gal prior to sampling	
				brought back online soon, but							
				will be operational by 1Q25.							

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
		Doom Well			not	Sampled						Lab: Eurofins TA,
										Per COC	Per Lab	

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Monitoring Well Purging and Sampling Record

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Well: Emr. OXY Well

Hydrologic Monitoring
Houston, Texas

Well Inspection Information

Initials: MDS
Well Condition: NA

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	DNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake	Screen (Ft-BGS)				Comments
12-11-24	810	NA	NA	NA	NA	NA	NA	NA				Weather: Sunny, 30's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (G)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Purging and Sampling Method	Water Color / Clarity
12-11-24	815	NA	1.0	7.84	10.4	945	2.0	-131.7	10.3	OXY bldg. water supply well;	Clear
↓	816	↓	2.0	7.70	10.9	953	1.3	-116.4	5.3	sampled at outdoor spigot (to	↓
	817		3.0	7.65	11.2	964	1.4	-115.3	4.6	right of front door; pliers may be	
↓	818	↓	4.0	7.63	11.3	970	1.7	-106.5	3.7	needed); purge 4 gal prior to	
										sampling	

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
12-11-24	820	OXY Well	NA	7.63	11.3	970	1.7	-106.5	3.7	Per COC	Per Lab	Lab: Eurofins TA,

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Instrument Calibration Log

El Paso Natural Gas Company
Jal #4 Gas Plant
Lea County, New Mexico

Hydrologic Monitoring

Date	Time	pH Hanna (Std. units)	Specific Conductivity Hanna (umho/cm)	Dissolved Oxygen Hanna (Slope Cal. in saturated air)	Turbidity Lamotte (NTU)	ORP Hanna HI 7020 Soln (200-275 mV)		Initials / Comments
3/27/24	730	4.01/7.00	1,000	100%	10.0	238.9		KJ
3/27/24	735	4.01/7.00	1,000	100%	10.0	250.2		TAB
6-5-24	730	4.01/7.00	1,000	100%	10.0	241.7		MDB
6-5-24	735	4.01/7.00	1,000	100%	10.0	248.8		TAB
9-4-24	655	4.01/7.00	1,000	100%	10.0	231.7		BRH
9-4-24	657	4.01/7.00	1,000	100%	10.0	235.9		WS
9/4/24	701	4.01/7.00	1,000	100%	10.0	271.9		CBJ
9/4/24	703	4.01/7.00	1,000	100%	10.0	257.6		CSS
9/4/24	705	4.01/7.00	1,000	100%	10.0	267.2		OJD
12-10-24	700	4.01/7.00	1,000	100%	10.0	237.6		MDB
12/10/24	705	4.01/7.00	1000	100%	10.0	260.2		TATB

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Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Mason Bard / HMI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-135256-43299.1
Client Contact: Joe Wiley	Phone: 281-725-4825	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe wiley@kindermorgan com	WO #: ARF Version 8_2-14-2023			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site: CC: wallace.gilmore@aecom.com	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
CB - ZnAcetate/NaOH
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)	9056A_ORGFM_28D - Chloride	2540C - TDS	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	N	D	CB		
ACW-13	12/11/24	900	G	Water			X	X	X	X	X	X	5	
ACW-14		755		Water			X	X	X	X	X	X	5	
ACW-15		955		Water			X	X	X	X	X	X	5	
Doom well				Water			X	X	X	X	X	X	5	Not Sampled
Fmr. OXY well		820		Water			X	X	X	X	X	X	5	
DUP-01		1000		Water			X	X	X	X	X	X	5	
TB-01		—	—	Water					X				2	

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
[signature]	12/11/24 1300	HMI			
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:

Ver: 10/10/2024

KINDER MORGAN

Analytical Request Form (ARF)

Project Information

KM Entity Name: EPNG

Laboratory Name: Eurofins Environment Testing Southeast Lab Location: Pensacola, FL

Is This A KM Program Laboratory? **YES** X **No** ____

Project / AOC Name (**Match ENFOS AOC**): Jal #4 Gas Plant RWIP

Consultant: AECOM

ARF Initiator Name: Wally Gilmore

Date: 11/15/2024

Scope of Sampling: Quarterly Groundwater Sampling (4Q2024)

Remediation Department Project: Yes **Non-Remediation Department Project:** ____

Remediation Department Sampling Projects - To Be Invoiced in Enfos

Work Directive Must be in Place and Information Below Provided By the Kinder Morgan Project Manager PRIOR TO COMPLETION of this ARF

Laboratory's Work Directive #: WD1040015

Lab Cost Cluster: CC06_Monitoring **Lab** Subtask: Lab - I

Non-Program Laboratories
Non-Remediation Dept. Sampling

Email invoice to KM Project Manager ____ Invoice in Ariba ____ Invoice Consultant ____

Sample Event Description and Contaminants of Concern: 4th Quarter 2024 -BTEX, Chloride, Sodium, TDS, Specific Conductance, Sulfide

Site Address / Location: 9 Miles North of Jal, NM on Hwy 18

City: Jal State: NM Country: USA

Regulatory Agency: NMOCD

Project Type (RCRA, CERCLA, TRRP, etc.):

Anticipated Start Date: TBD Anticipated Completion Date: TBD

Frequency of Sampling: Quarterly Sampling Plan Attached? **(Y/N)**: No

Are there Additional Requests/ Special Instructions on Page 2? **(Y / N)** No

Title(s)/Date(s) of attached sampling information:

Project Management Contacts

KM Contact

KM Project Manager: Joe Wiley ☑ Copy on ARF Distribution

KM Office Location: Houston, TX 77002

Address: 1001 Louisiana, Room 1445B
Houston, TX 77002

Phone : 713-420-3475 E-mail: Joe_Wiley@KinderMorgan.com

Consultant Contact

Consultant Company Name: AECOM ☑ Copy on ARF Distribution

Consultant Project Manager: Wally Gilmore

Consultant PM Office Location: Houston, TX

Address: 19219 Katy Freeway, Suite 100
Houton, TX 77094

Phone : 713-542-9523 E-mail: wallace.gilmore@aecom.com

Laboratory Contact

Laboratory Name / Location: Eurofins Environment Testing Southeast ☑ Copy on ARF Distribution

Laboratory Project Manager: Cheyenne R. Whitmire

Lab PM Office Location: Pensacola, FL

Address: 3355 McLemore Drive
Pensacola, FL 32514

Phone : 850-471-6222 E-mail: Cheyenne.Whitmire@et.eurofinsus.com

Additional Parties to Receive ARF:

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Name / Affiliation: ____ E-mail: ____

Data Deliverables

Data Package Deliverables supplied to:	Wally Gilmore - AECOM					
Required Data Deliverables Format(s):	PDF	X	Hard Copy		Other - Specify	
	Excel	X	Equis			
Size Limitation of deliverable for e-mail:	10	MB	Unlimited			

Forward the Electronic Data Deliverables to:

Company	Contact Name	E-Mail Address
AECOM	Wally Gilmore	wallace.gilmore@aecom.com

Special Instructions for data package or electronic deliverable?: Enter special instructions below - 4 text lines available:

Laboratory Cost Sheets

Does the Kinder Morgan Project Manager want the Lab Cost Sheet completed by the laboratory? **Yes** **No** XXX

COST SHEETS CAN ONLY BE RETURNED DIRECTLY TO THE KM PROJECT MANAGER - CANNOT BE SENT TO CONSULTANTS

LABORATORY CONTRACT CONFIDENTIALITY REQUIREMENTS PROHIBIT DISTRIBUTION OF COSTS BY LAB OUTSIDE KINDER MORGAN

Record of ARF Initiation and Revisions

ARF Initiator:	Name:	Wally Gilmore	Date:	11/15/2024
Laboratory Acceptance:	Name:	Cheyenne Whitmire	Date:	11/18/2024
Revision 1:	Name:		Date:	
	Types of Changes:			
Revision 2:	Name:		Date:	
	Types of Changes:			
Revision 3:	Name:		Date:	
	Types of Changes:			
Revision 4:	Name:		Date:	
	Types of Changes:			

LAB USE ONLY

Laboratory Internal Project Number:

Parameters and Analytical Methods Requested **SINGLE SAMPLE EVENT** *Unless otherwise noted, all fields should be completed by ARF Initiator.* *ARF Version 8 _2-14-2023*

Projected Analytical Plan & Number of Samples to be Collected

Matrix Codes: A=Air W=Water S=Soil WP=wipe O=Oil OT=Other

Compound List or Parameter	Analytical Method	Matrix Code	DP/TAT Level Code	Number of Investigatory Samples	Number of Samples for Hold/Archival	Quality Control Samples: MS/MSD Pairs	Quality Control Samples: Trip Blanks	Quality Control Samples: Number of Rinse, Equipment, and Field Blanks	Quality Control Samples: Field Duplicates	Total Number of Samples Expected	Laboratory Use Only: Number of Samples Received by Laboratory	Laboratory Use Only: Total Number of Samples Analyzed
BTEX	8260B	W	L2/28D	5	0	0	1	0	1	7		
Total Dissolved Solids	SM 2540C	W	L2/28D	5	0	0	0	0	1	6		
Chloride	EPA SW846 9056	W	L2/28D	5	0	0	0	0	1	6		
Sodium	PA SW846 6010	W	L2/28D	5	0	0	0	0	1	6		
Specific Conductance	EPA 120.1	W	L2/28D	5	0	0	0	0	1	6		
Sulfide	SM 4500_S2_D	W	L2/28D	5	0	0	0	0	1	6		
										0		
										0		
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										0		
										0		
										0		

Sampling Frequency: **SINGLE SAMPLE EVENT ONLY**

Are special regulatory requirements, detection limits or action levels needed? Standard method detection limits.

SW-846 Method 5035 volatile organic analyses requested **(Y / N)**? No If yes, what container is required? Tared Vials ____ Methanol Vials ____ 4-oz. jars ____

EnCore Kits ____ Terra Core Kits ____ Other ____

Is there an approved QAPP? **(Y / N)** No IF YES - FORWARD TO LABORATORY Title: ____

Revision/Date ____

Reporting of estimated values "J" required for results less than the reporting limit required? Yes X No ____

Are tentatively identified compounds (TICs) required? YES ____ Volatiles ____ Semivolatiles ____

Sample retention time (post reporting): 30 days (standard) X Other - Specify Retention Time ____

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Ship Bottles to:		**Shipping Return:**		
Company	Hydrologic Monitoring	FedEx X	UPS	Laboratory Courrier
Contact Name	Scott Ude	Sample Crew Drop Samples at Laboratory		Other - Specify:
Location Name				
Street Address	1654 W Sam Houston Pkwy N	**Saturday Delivery**		
City, State, Zip	Houston, Texas 77043			
Phone Number	832-347-4521			
Date/Time Bottles Required		**11/27/2024 cob**		

Additional Requests and Instructions

Please have sampling kits and return shipping labels delivered to Hydrologic Monitoring by cob November 27, 2024.
Please send FedEx return labels

Phone Logs and Project Correspondence

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HMI
Groundwater

Hydrologic Monitoring
1654 W. Sam Houston Pkwy. N.
Houston, Texas 77043

Phone 713.464.5206
Fax 713.464.5207

M E M O R A N D U M

Low-Flow Groundwater Sampling Procedures
El Paso Natural Gas Company
Jal #4 Gas Plant, Lea County, New Mexico

HMI conducts low-flow groundwater sampling in accordance with TCEQ and EPA guidelines (Puls and Barcelona, 1996 EPA Guidance on Low-Flow Groundwater Sampling, REV 4, September 19, 2017).

Groundwater Sampling Methodology

HMI conducts low-flow groundwater sampling using bladder pumps and polyethylene tubing dedicated in sampled wells at the site, during its first groundwater sampling event at the site in March 2017. Pumps were dedicated in the wells to increase sample quality and field efficiency, and remain property of HMI. HMI would appreciate the opportunity to retrieve the pumps at such time that HMI no longer conducts monitoring at the site.

Purging commences through a sealed flow-through cell at EPA-recommended purge rates (generally 0.1 to 0.2 liters/minute), selected to limit the monitored drawdown during the purging process. Each HMI flow-through cell has a volume of 0.5 liters. Field parameter readings are collected at 0.5-liter intervals (the equivalent of one cell volume "turnover"). Field parameters of pH, specific conductivity, temperature, dissolved oxygen, and oxidation-reduction potential are monitored inside the cell. Turbidity is monitored outside of the cell. Purging continues until a requisite volume of groundwater is purged (a minimum of 3,000 ml or six flow-through cell volumes), and field parameters have stabilized in accordance with the EPA guidance below:

Water Quality Parameters (Stabilization Parameters in Accordance with EPA (2002), Groundwater Sampling Guidelines for Superfund and RCRA Project Managers, Yeskis & Zavala, EPA/542:S-02/001)

- pH +/- 0.1 units;
- Temperature -
- Conductivity +/- 3%
- Dissolved Oxygen +/- 0.3 mg/L
- ORP +/- 10%
- Turbidity 10%

Groundwater samples are collected directly into laboratory-supplied containers. Groundwater samples are placed in iced coolers, and remain in HMI custody until delivery to the laboratory.

Decontamination Procedures

Non-dedicated equipment, (i.e., only the electronic water level probe for this project) is properly decontaminated prior to use and between wells. The decontamination procedure for the water level probe consists of a spray of isopropanol (likely not warranted at this site), followed by a thorough wash in distilled water and Liquinox non-phosphate soap, with a final distilled water. The probe is allowed to air dry.

HMI Deliverables

HMI provides thorough field documentation of groundwater monitoring activities performed, including groundwater sampling forms, field equipment calibration logs, a brief field narrative, and an Excel table summarizing gauging data and groundwater field parameters.

Emergency Contacts

Jal Police	575-395-2501
Jal Fire/Rescue	575-395-2221
Lea Co Sheriff	575-396-3611
Emergency	911

Location

Address:	Hwy 18 mile marker 18 & Deep Wells Rd
GPS Main Gate:	32.253734, -103.193437
GPS East Gate:	32.253353, -103.189635

Operators

1st Ricardo RFranco2@[illegible] 505-240-7204

~~1st Jesse JMoore6@MARATHONPETROLEUM.com 575-725-1797/432-257-9687~~ cell

2nd Luis 575-605-0149

1st Felix 575-689-5509

Received by OCD: 3/27/2025 11:08:08 AM

Appendix C

Laboratory Analytical Reports

Released to Imaging: 9/2/2025 11:15:22 AM

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Jamie Herman
Secondary Reviewer: Delain Austin

Event: 1Q2024 Water
Date: 2/10/2025
Date: 2/11/2025

Introduction:
This validation report documents the data review through the checklists below. Further identification and explanation of the anomalies identified are provided following each section of the checklist, as needed.

The field sample and laboratory identification associations are summarized in Table 1. A summary of qualified results is included in Table 2. Data are qualified per the definitions and reason codes presented in Attachment A.

Laboratory - Sample Delivery Groups:
Eurofins Environment Testing in Pensacola, Florida (Eurofins) – 400-253562-1

Methods:
Benzene, toluene, ethylbenzene, and xylenes (BTEX) (8260D), Sodium (6010D), Chloride (9056A), Total Dissolved Solids (TDS) [Standard Methods (SM) 2540D], Conductivity (120.1).

Validation:
Stage 2A Validation

Guidance Documents:
National Functional Guidelines for Organic Superfund Methods Data Review (November 2020), *National Function Guidelines for Inorganic Superfund Methods Data Review* (November 2020), laboratory quality control (QC) criteria, and method requirements, where applicable.

Overall Assessment of Data:
The data are considered usable with the qualifications and clarifications within this validation report. The overall assessment of data was acceptable and considered 100% complete.

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Jamie Herman
Secondary Reviewer: Delain Austin

Event: 1Q2024 Water
Date: 2/10/2025
Date: 2/11/2025

1.0 Sample Documentation

Sample Documentation Criteria	Yes	No	NA
Were all samples documented correctly on the chain-of-custody (COC) and container labels?	X		
Were sample analyses completed per the COC?	X		
Were samples extracted and analyzed within the method required holding times?	X		
Laboratory Case Narrative	**Yes**	**No**	**NA**
Were there narrative clarifications not identified within this validation report?		X	

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Jamie Herman
Secondary Reviewer: Delain Austin

Event: 1Q2024 Water
Date: 2/10/2025
Date: 2/11/2025

2.0 Quality Control and Performance Checks

Stage 2A				
Method Blank Criteria		**Yes**	**No**	**NA**
Was a method blank analyzed for each batch?		X		
Were method blank concentrations reported as non-detected for the target analytes?		X		
Laboratory Control Sample (LCS) Criteria		**Yes**	**No**	**NA**
Was an LCS reported with each preparation batch?		X		
Were LCS/LCSD recoveries and/or RPDs within laboratory control limits?		X		
Matrix Spike/Matrix Spike Duplicates (MS/MSD) Criteria		**Yes**	**No**	**NA**
Was an MS/MSD performed on a project specific sample?		X		
Parent Sample Identification	**Method**			
ACW-13	8260D, 6010D			
For concentrations <4x the spike concentration, were MS/MSD recoveries and RPDs within criteria?		X		
Laboratory Duplicate Criteria (Inorganics)		**Yes**	**No**	**NA**
Was a laboratory duplicate performed on a project specific sample?		X		
Parent Sample Identification	**Method**			
OXY WELL	SM2540C			
If both the parent sample and duplicate values were >5xRL, was laboratory duplicate RPD within acceptance criteria of <20%?				X
If either the parent sample or duplicate value was <5xRL, was the absolute difference within acceptance criteria of <1xRL?		X		
Surrogate Criteria (Organics)		**Yes**	**No**	**NA**
Were the surrogates within acceptance limits?		X		

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Jamie Herman
Secondary Reviewer: Delain Austin

Event: 1Q2024 Water
Date: 2/10/2025
Date: 2/11/2025

3.0 Field Quality Control Samples

Verification Criteria		Yes	No	NA
Was a trip blank shipped with, and analyzed with the samples? (VOCs only)		X		
Were trip blank concentrations reported as non-detected for the target analytes?		X		
Were field and/or equipment blanks collected and analyzed? (Field blank VOCs only)				X
Were field QC blank concentrations reported as non-detected for the target analytes?				X
Field Duplicate Criteria		**Yes**	**No**	**NA**
Were field duplicate samples collected?		X		
Parent Sample	**Field Duplicate Sample**			
ACW-13	Dup-01			
Were parent sample/field duplicate RPDs ≤30% for analytes that had concentrations >5x the RL?			X[1]	
Were the differences between the parent sample/field duplicate <2xRL for analytes that had concentrations <5x the RL?		X		

1. The following results did not meet field duplicate criteria:

Duplicate Pair Identification	Analyte	Sample Result	Duplicate Result	Criteria not Met
ACW-13/ DUP-01	Total Dissolved Solids	3300 mg/L	8800 mg/L	RPD <30%

The associated results were qualified as estimated (J fd) due to field duplicate imprecision. A summary of qualified results is included in Table 2.

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Jamie Herman
Secondary Reviewer: Delain Austin

Event: 1Q2024 Water
Date: 2/10/2025
Date: 2/11/2025

4.0 Sensitivity and Additional Qualification

Sensitivity Criteria	Yes	No	NA
Was the laboratory sensitivity consistent with project requirements?	X		
Did all analytes meet sensitivity requirements?	X		
Additional Qualification Criteria	**Yes**	**No**	**NA**
Was professional judgment used to qualify data, if not addressed in Sections 1, 2, and 3?			X
Trace level detections, results reported between the method detection limit (MDL) and the reporting limit (RL) were qualified as estimated (J lq).			X
Were multiple results reported?			X
Completeness Criteria	**Yes**	**No**	**NA**
Were the reported results usable if qualified?	X		
Were the analyses requested performed, the correct analyte lists used, and correct sample preparation and analyses methods and units utilized?	X		

Table 1: Summary of Samples

Sample Identification	Laboratory Identification	Collection Date	Sample Type	Analyses
ACW-13	400-253562-1	3/27/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
ACW-14	400-253562-2	3/27/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
ACW-15	400-253562-3	3/27/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
DOOM WELL	400-253562-4	3/27/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
OXY WELL	400-253562-5	3/27/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
DUP-01	400-253562-6	3/27/2024	Field Duplicate	8260D, 6010D, 9056A, SM2540C, 120.1
TRIP BLANK-01	400-253562-7	3/27/2024	Trip Blank	8260D

Table 2: Summary of Qualified Results

Sample Identification	Laboratory Identification	Analytical Method	Analyte	Qualifier	Reason Code
ACW-13	400-253562-1	SM2540C	Total Dissolved Solids	J	fd
Dup-01	400-253562-6	SM2540C	Total Dissolved Solids	J	fd

Attachment A

DATA VALIDATION QUALIFIER DEFINITIONS

List of Possible Qualifiers Assigned by AECOM Data Review Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit, or the sample result was considered not-detected due to associated blank contamination.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity, but the result may be biased high.

J- The result is an estimated quantity, but the result may be biased low.

UJ The analyte was analyzed for, but was not detected. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.

R The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control (QC) criteria. The analyte may or may not be present in the sample.

REASON CODE DEFINITIONS

be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
c	Calibration issue
cl	Clean-up standard recovery
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
fd	Field duplicate imprecision
g	Chromatographic pattern match issue
h	Holding times
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
k	Estimated Maximum Possible Concentrations
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate imprecision (matrix duplicate, MSD, LCSD)
lq	Level of quantitation/trace value
m	Matrix spike recovery
nb	Negative laboratory blank contamination
p	Chemical preservation issue
pe	Post Extraction Spike
pj	Professional Judgement
q	Quantitation issue
r	Dual column RPD
rp	Re-extraction precision issue [PAHs only]
rt	SIM ions not within + 2 seconds
s	Surrogate/IDA recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
v	compound identification issue
y	Serial dilution results
z	ICS results

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Wallace Gilmore
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094
Generated 4/16/2024 8:56:09 AM

JOB DESCRIPTION

Jal #4 Gas Plant RWIP
1Q24

JOB NUMBER

400-253562-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

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my EOL

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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(850)471-6222

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Laboratory Job ID: 400-253562-1
SDG: 1Q24

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Case Narrative

Client: AECOM
Project: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1

Job ID: 400-253562-1 Eurofins Pensacola

Job Narrative
400-253562-1

Receipt
The samples were received on 3/29/2024 9:06 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

HPLC/IC
Method 9056A: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-666797 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056A: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-253562-1), ACW-14 (400-253562-2), ACW-15 (400-253562-3), OXY WELL (400-253562-5) and DUP-01 (400-253562-6). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: ACW-13 — Lab Sample ID: 400-253562-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2200		50	13	mg/L	50		9056A	Total/NA
Sodium	220		0.56	0.14	mg/L	1		6010D	Total Recoverable
Specific Conductance	4600		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3300		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14 — Lab Sample ID: 400-253562-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	270		10	2.5	mg/L	10		9056A	Total/NA
Sodium	120		0.56	0.14	mg/L	1		6010D	Total Recoverable
Specific Conductance	1200		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	720		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15 — Lab Sample ID: 400-253562-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	370		10	2.5	mg/L	10		9056A	Total/NA
Sodium	110		0.56	0.14	mg/L	1		6010D	Total Recoverable
Specific Conductance	1400		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	920		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL — Lab Sample ID: 400-253562-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	47		1.0	0.25	mg/L	1		9056A	Total/NA
Sodium	67		0.56	0.14	mg/L	1		6010D	Total Recoverable
Specific Conductance	660		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	420		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: OXY WELL — Lab Sample ID: 400-253562-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0012		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	280		10	2.5	mg/L	10		9056A	Total/NA
Sodium	110		0.56	0.14	mg/L	1		6010D	Total Recoverable
Specific Conductance	1300		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	840		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-253562-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2300		100	25	mg/L	100		9056A	Total/NA
Sodium	220		0.56	0.14	mg/L	1		6010D	Total Recoverable
Specific Conductance	4600		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	8800		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK-01 — Lab Sample ID: 400-253562-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET ORL
120.1	Conductivity, Specific Conductance	EPA	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3005A	Preparation, Total Metals	SW846	EET ORL
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-253562-1	ACW-13	Water	03/27/24 09:35	03/29/24 09:06
400-253562-2	ACW-14	Water	03/27/24 10:25	03/29/24 09:06
400-253562-3	ACW-15	Water	03/27/24 08:25	03/29/24 09:06
400-253562-4	DOOM WELL	Water	03/27/24 08:20	03/29/24 09:06
400-253562-5	OXY WELL	Water	03/27/24 09:10	03/29/24 09:06
400-253562-6	DUP-01	Water	03/27/24 09:00	03/29/24 09:06
400-253562-7	TRIP BLANK-01	Water	03/27/24 00:00	03/29/24 09:06

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: ACW-13

Date Collected: 03/27/24 09:35
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 13:19	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 13:19	1
Toluene	<0.00090		0.0010	0.00090	mg/L			04/06/24 13:19	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/24 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*04/06/24 13:19*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*04/06/24 13:19*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*04/06/24 13:19*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2200**		50	13	mg/L			04/04/24 01:47	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**220**		0.56	0.14	mg/L		04/04/24 09:42	04/04/24 17:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**4600**		10	10	umhos/cm			04/02/24 13:26	1
Total Dissolved Solids (SM 2540C)	**3300**		25	25	mg/L			04/03/24 08:15	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: ACW-14

Date Collected: 03/27/24 10:25
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 16:03	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 16:03	1
Toluene	<0.00090		0.0010	0.00090	mg/L			04/06/24 16:03	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/24 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*04/06/24 16:03*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*04/06/24 16:03*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*04/06/24 16:03*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**270**		10	2.5	mg/L			04/04/24 01:56	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**120**		0.56	0.14	mg/L		04/04/24 09:42	04/04/24 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1200**		10	10	umhos/cm			04/02/24 13:26	1
Total Dissolved Solids (SM 2540C)	**720**		10	10	mg/L			04/03/24 08:15	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: ACW-15

Date Collected: 03/27/24 08:25
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 16:30	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 16:30	1
Toluene	<0.00090		0.0010	0.00090	mg/L			04/06/24 16:30	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/24 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*04/06/24 16:30*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*04/06/24 16:30*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*04/06/24 16:30*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**370**		10	2.5	mg/L			04/04/24 02:04	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**110**		0.56	0.14	mg/L		04/04/24 09:42	04/04/24 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1400**		10	10	umhos/cm			04/02/24 13:26	1
Total Dissolved Solids (SM 2540C)	**920**		10	10	mg/L			04/03/24 08:15	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: DOOM WELL

Date Collected: 03/27/24 08:20
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 16:57	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 16:57	1
Toluene	<0.00090		0.0010	0.00090	mg/L			04/06/24 16:57	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/24 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 130*		*04/06/24 16:57*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*04/06/24 16:57*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*04/06/24 16:57*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47**		1.0	0.25	mg/L			04/02/24 04:29	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**67**		0.56	0.14	mg/L		04/04/24 09:42	04/04/24 17:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**660**		10	10	umhos/cm			04/02/24 13:26	1
Total Dissolved Solids (SM 2540C)	**420**		5.0	5.0	mg/L			04/03/24 08:15	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: OXY WELL

Date Collected: 03/27/24 09:10
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0012**		0.0010	0.00050	mg/L			04/06/24 17:24	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 17:24	1
Toluene	<0.00090		0.0010	0.00090	mg/L			04/06/24 17:24	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/24 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*04/06/24 17:24*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*04/06/24 17:24*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*04/06/24 17:24*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**280**		10	2.5	mg/L			04/04/24 02:13	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**110**		0.56	0.14	mg/L		04/04/24 09:42	04/04/24 17:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1300**		10	10	umhos/cm			04/02/24 13:26	1
Total Dissolved Solids (SM 2540C)	**840**		10	10	mg/L			04/03/24 08:15	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: DUP-01
Date Collected: 03/27/24 09:00
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 17:51	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 17:51	1
Toluene	<0.00090		0.0010	0.00090	mg/L			04/06/24 17:51	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/24 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*72 - 130*		*04/06/24 17:51*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*04/06/24 17:51*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*04/06/24 17:51*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		100	25	mg/L			04/04/24 02:21	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**220**		0.56	0.14	mg/L		04/04/24 09:42	04/04/24 17:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**4600**		10	10	umhos/cm			04/02/24 13:26	1
Total Dissolved Solids (SM 2540C)	**8800**		50	50	mg/L			04/03/24 08:15	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: TRIP BLANK-01

Date Collected: 03/27/24 00:00
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 15:08	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 15:08	1
Toluene	<0.00090		0.0010	0.00090	mg/L			04/06/24 15:08	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/24 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*04/06/24 15:08*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*04/06/24 15:08*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*04/06/24 15:08*	*1*

Definitions/Glossary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Qualifiers

Metals

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

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

Surrogate Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-130)	(75-126)	(64-132)
400-253562-1	ACW-13	103	102	96
400-253562-1 MS	ACW-13	101	96	97
400-253562-1 MSD	ACW-13	101	96	99
400-253562-2	ACW-14	103	102	95
400-253562-3	ACW-15	103	102	96
400-253562-4	DOOM WELL	102	101	95
400-253562-5	OXY WELL	103	102	94
400-253562-6	DUP-01	102	101	95
400-253562-7	TRIP BLANK-01	103	101	97
LCS 400-667104/1002	Lab Control Sample	103	96	99
MB 400-667104/6	Method Blank	103	100	95

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: ACW-13
Date Collected: 03/27/24 09:35
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-1
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	8260D		1	5 mL	5 mL	667104	04/06/24 13:19	CAR	EET PEN
Total/NA	Analysis	9056A		50			666797	04/04/24 01:47	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:17	AS	EET ORL
Total/NA	Analysis	120.1		1			666606	04/02/24 13:26	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	666553	04/03/24 08:15	HA	EET PEN

Client Sample ID: ACW-14
Date Collected: 03/27/24 10:25
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-2
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	8260D		1	5 mL	5 mL	667104	04/06/24 16:03	CAR	EET PEN
Total/NA	Analysis	9056A		10			666797	04/04/24 01:56	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:20	AS	EET ORL
Total/NA	Analysis	120.1		1			666606	04/02/24 13:26	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	666553	04/03/24 08:15	HA	EET PEN

Client Sample ID: ACW-15
Date Collected: 03/27/24 08:25
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-3
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	8260D		1	5 mL	5 mL	667104	04/06/24 16:30	CAR	EET PEN
Total/NA	Analysis	9056A		10			666797	04/04/24 02:04	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:23	AS	EET ORL
Total/NA	Analysis	120.1		1			666606	04/02/24 13:26	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	666553	04/03/24 08:15	HA	EET PEN

Client Sample ID: DOOM WELL
Date Collected: 03/27/24 08:20
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-4
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	8260D		1	5 mL	5 mL	667104	04/06/24 16:57	CAR	EET PEN
Total/NA	Analysis	9056A		1			666485	04/02/24 04:29	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:26	AS	EET ORL
Total/NA	Analysis	120.1		1			666606	04/02/24 13:26	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	666553	04/03/24 08:15	HA	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: OXY WELL
Date Collected: 03/27/24 09:10
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-5
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	8260D		1	5 mL	5 mL	667104	04/06/24 17:24	CAR	EET PEN
Total/NA	Analysis	9056A		10			666797	04/04/24 02:13	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:28	AS	EET ORL
Total/NA	Analysis	120.1		1			666606	04/02/24 13:26	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	666553	04/03/24 08:15	HA	EET PEN

Client Sample ID: DUP-01
Date Collected: 03/27/24 09:00
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-6
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	8260D		1	5 mL	5 mL	667104	04/06/24 17:51	CAR	EET PEN
Total/NA	Analysis	9056A		100			666797	04/04/24 02:21	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:31	AS	EET ORL
Total/NA	Analysis	120.1		1			666606	04/02/24 13:26	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	666553	04/03/24 08:15	HA	EET PEN

Client Sample ID: TRIP BLANK-01
Date Collected: 03/27/24 00:00
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-7
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	8260D		1	5 mL	5 mL	667104	04/06/24 15:08	CAR	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-666485/77
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	9056A		1			666485	04/02/24 01:48	AMM	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-666553/1
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	SM 2540C		1	50 mL	50 mL	666553	04/03/24 08:15	HA	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: Method Blank — Lab Sample ID: MB 400-666606/1

Date Collected: N/A
Date Received: N/A
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	120.1		1			666606	04/02/24 13:26	CAC	EET PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-666797/53

Date Collected: N/A
Date Received: N/A
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	9056A		1			666797	04/03/24 23:23	AMM	EET PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-667104/6

Date Collected: N/A
Date Received: N/A
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	8260D		1	5 mL	5 mL	667104	04/06/24 12:42	CAR	EET PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 670-84012/3-A

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:10	AS	EET ORL

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-666485/78

Date Collected: N/A
Date Received: N/A
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	9056A		1			666485	04/02/24 01:56	AMM	EET PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-666553/2

Date Collected: N/A
Date Received: N/A
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	SM 2540C		1	50 mL	50 mL	666553	04/03/24 08:15	HA	EET PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-666606/2

Date Collected: N/A
Date Received: N/A
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	120.1		1			666606	04/02/24 13:26	CAC	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-666797/54
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	9056A		1			666797	04/03/24 23:31	AMM	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-667104/1002
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	8260D		1	5 mL	5 mL	667104	04/06/24 10:43	CAR	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 670-84012/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:02	AS	EET ORL

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-666485/79
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	9056A		1			666485	04/02/24 02:05	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-666797/55
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	9056A		1			666797	04/03/24 23:40	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 670-84012/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:04	AS	EET ORL

Client Sample ID: ACW-13
Date Collected: 03/27/24 09:35
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-1 MS
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	8260D		1	5 mL	5 mL	667104	04/06/24 13:47	CAR	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Client Sample ID: ACW-13
Date Collected: 03/27/24 09:35
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-1 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			45 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:12	AS	EET ORL

Client Sample ID: ACW-13
Date Collected: 03/27/24 09:35
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-1 MSD
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	8260D		1	5 mL	5 mL	667104	04/06/24 14:14	CAR	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	84012	04/04/24 09:42	DP	EET ORL
Total Recoverable	Analysis	6010D		1			84238	04/04/24 17:15	AS	EET ORL

Client Sample ID: OXY WELL
Date Collected: 03/27/24 09:10
Date Received: 03/29/24 09:06

Lab Sample ID: 400-253562-5 DU
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	SM 2540C		1	25 mL	50 mL	666553	04/03/24 08:15	HA	EET PEN

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

GC/MS VOA

Analysis Batch: 667104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-253562-1	ACW-13	Total/NA	Water	8260D	
400-253562-2	ACW-14	Total/NA	Water	8260D	
400-253562-3	ACW-15	Total/NA	Water	8260D	
400-253562-4	DOOM WELL	Total/NA	Water	8260D	
400-253562-5	OXY WELL	Total/NA	Water	8260D	
400-253562-6	DUP-01	Total/NA	Water	8260D	
400-253562-7	TRIP BLANK-01	Total/NA	Water	8260D	
MB 400-667104/6	Method Blank	Total/NA	Water	8260D	
LCS 400-667104/1002	Lab Control Sample	Total/NA	Water	8260D	
400-253562-1 MS	ACW-13	Total/NA	Water	8260D	
400-253562-1 MSD	ACW-13	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 666485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-253562-4	DOOM WELL	Total/NA	Water	9056A	
MB 400-666485/77	Method Blank	Total/NA	Water	9056A	
LCS 400-666485/78	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-666485/79	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 666797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-253562-1	ACW-13	Total/NA	Water	9056A	
400-253562-2	ACW-14	Total/NA	Water	9056A	
400-253562-3	ACW-15	Total/NA	Water	9056A	
400-253562-5	OXY WELL	Total/NA	Water	9056A	
400-253562-6	DUP-01	Total/NA	Water	9056A	
MB 400-666797/53	Method Blank	Total/NA	Water	9056A	
LCS 400-666797/54	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-666797/55	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 84012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-253562-1	ACW-13	Total Recoverable	Water	3005A	
400-253562-2	ACW-14	Total Recoverable	Water	3005A	
400-253562-3	ACW-15	Total Recoverable	Water	3005A	
400-253562-4	DOOM WELL	Total Recoverable	Water	3005A	
400-253562-5	OXY WELL	Total Recoverable	Water	3005A	
400-253562-6	DUP-01	Total Recoverable	Water	3005A	
MB 670-84012/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-84012/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-84012/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
400-253562-1 MS	ACW-13	Total Recoverable	Water	3005A	
400-253562-1 MSD	ACW-13	Total Recoverable	Water	3005A	

Analysis Batch: 84238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-253562-1	ACW-13	Total Recoverable	Water	6010D	84012
400-253562-2	ACW-14	Total Recoverable	Water	6010D	84012

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Metals (Continued)

Analysis Batch: 84238 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-253562-3	ACW-15	Total Recoverable	Water	6010D	84012
400-253562-4	DOOM WELL	Total Recoverable	Water	6010D	84012
400-253562-5	OXY WELL	Total Recoverable	Water	6010D	84012
400-253562-6	DUP-01	Total Recoverable	Water	6010D	84012
MB 670-84012/3-A	Method Blank	Total Recoverable	Water	6010D	84012
LCS 670-84012/1-A	Lab Control Sample	Total Recoverable	Water	6010D	84012
LCSD 670-84012/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	84012
400-253562-1 MS	ACW-13	Total Recoverable	Water	6010D	84012
400-253562-1 MSD	ACW-13	Total Recoverable	Water	6010D	84012

General Chemistry

Analysis Batch: 666553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-253562-1	ACW-13	Total/NA	Water	SM 2540C	
400-253562-2	ACW-14	Total/NA	Water	SM 2540C	
400-253562-3	ACW-15	Total/NA	Water	SM 2540C	
400-253562-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-253562-5	OXY WELL	Total/NA	Water	SM 2540C	
400-253562-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-666553/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-666553/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-253562-5 DU	OXY WELL	Total/NA	Water	SM 2540C	

Analysis Batch: 666606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-253562-1	ACW-13	Total/NA	Water	120.1	
400-253562-2	ACW-14	Total/NA	Water	120.1	
400-253562-3	ACW-15	Total/NA	Water	120.1	
400-253562-4	DOOM WELL	Total/NA	Water	120.1	
400-253562-5	OXY WELL	Total/NA	Water	120.1	
400-253562-6	DUP-01	Total/NA	Water	120.1	
MB 400-666606/1	Method Blank	Total/NA	Water	120.1	
LCS 400-666606/2	Lab Control Sample	Total/NA	Water	120.1	

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-667104/6
Matrix: Water
Analysis Batch: 667104

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 12:42	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			04/06/24 12:42	1
Toluene	<0.00090		0.0010	0.00090	mg/L			04/06/24 12:42	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			04/06/24 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*72 - 130*		*04/06/24 12:42*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*04/06/24 12:42*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*04/06/24 12:42*	*1*

Lab Sample ID: LCS 400-667104/1002
Matrix: Water
Analysis Batch: 667104

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0533		mg/L		107	70 - 130
Ethylbenzene	0.0500	0.0569		mg/L		114	70 - 130
Toluene	0.0500	0.0541		mg/L		108	70 - 130
Xylenes, Total	0.100	0.116		mg/L		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*72 - 130*
Dibromofluoromethane	*96*		*75 - 126*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 400-253562-1 MS
Matrix: Water
Analysis Batch: 667104

Client Sample ID: ACW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00050		0.0500	0.0520		mg/L		104	56 - 142
Ethylbenzene	<0.00050		0.0500	0.0526		mg/L		105	58 - 131
Toluene	<0.00090		0.0500	0.0509		mg/L		102	65 - 130
Xylenes, Total	<0.0016		0.100	0.107		mg/L		107	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*72 - 130*
Dibromofluoromethane	*96*		*75 - 126*
Toluene-d8 (Surr)	*97*		*64 - 132*

Lab Sample ID: 400-253562-1 MSD
Matrix: Water
Analysis Batch: 667104

Client Sample ID: ACW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00050		0.0500	0.0523		mg/L		105	56 - 142	1	30
Ethylbenzene	<0.00050		0.0500	0.0511		mg/L		102	58 - 131	3	30
Toluene	<0.00090		0.0500	0.0508		mg/L		102	65 - 130	0	30

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

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

Lab Sample ID: 400-253562-1 MSD
Matrix: Water
Analysis Batch: 667104

Client Sample ID: ACW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	<0.0016		0.100	0.103		mg/L		103	59 - 130	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*72 - 130*
Dibromofluoromethane	*96*		*75 - 126*
Toluene-d8 (Surr)	*99*		*64 - 132*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-666485/77
Matrix: Water
Analysis Batch: 666485

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		1.0	0.25	mg/L			04/02/24 01:48	1

Lab Sample ID: LCS 400-666485/78
Matrix: Water
Analysis Batch: 666485

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.3		mg/L		103	90 - 110

Lab Sample ID: LCSD 400-666485/79
Matrix: Water
Analysis Batch: 666485

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
Chloride	10.0	10.3		mg/L		103	90 - 110	0	15

Lab Sample ID: MB 400-666797/53
Matrix: Water
Analysis Batch: 666797

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		1.0	0.25	mg/L			04/03/24 23:23	1

Lab Sample ID: LCS 400-666797/54
Matrix: Water
Analysis Batch: 666797

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.2		mg/L		102	90 - 110

Lab Sample ID: LCSD 400-666797/55
Matrix: Water
Analysis Batch: 666797

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
Chloride	10.0	10.2		mg/L		102	90 - 110	0	15

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-84012/3-A
Matrix: Water
Analysis Batch: 84238

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 84012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.13		0.50	0.13	mg/L		04/04/24 09:42	04/04/24 17:10	1

Lab Sample ID: LCS 670-84012/1-A
Matrix: Water
Analysis Batch: 84238

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 84012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.1	10.3		mg/L		102	80 - 120

Lab Sample ID: LCSD 670-84012/2-A
Matrix: Water
Analysis Batch: 84238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 84012

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	10.1	10.3		mg/L		102	80 - 120	1	20

Lab Sample ID: 400-253562-1 MS
Matrix: Water
Analysis Batch: 84238

Client Sample ID: ACW-13
Prep Type: Total Recoverable
Prep Batch: 84012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	220		11.2	231	4	mg/L		102	70 - 120

Lab Sample ID: 400-253562-1 MSD
Matrix: Water
Analysis Batch: 84238

Client Sample ID: ACW-13
Prep Type: Total Recoverable
Prep Batch: 84012

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	220		11.2	233	4	mg/L		115	70 - 120	1	20

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-666606/1
Matrix: Water
Analysis Batch: 666606

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10		10	10	umhos/cm			04/02/24 13:26	1

Lab Sample ID: LCS 400-666606/2
Matrix: Water
Analysis Batch: 666606

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	10.0	10.3		umhos/cm		103	90 - 110

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-666553/1
Matrix: Water
Analysis Batch: 666553

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			04/03/24 08:15	1

Lab Sample ID: LCS 400-666553/2
Matrix: Water
Analysis Batch: 666553

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			293	280		mg/L		96	78 - 122		

Lab Sample ID: 400-253562-5 DU
Matrix: Water
Analysis Batch: 666553

Client Sample ID: OXY WELL
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	840			848		mg/L				0.5	5

Released to Imaging: 9/2/2025 11:15:22 AM
Received by OCD: 3/27/2025 11:08:08 AM

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

400-253562 COC

Chain of Custody Record

FedEx: 6339 6600 7722

eurofins | Environment Testing

Client Information	Sampler: Scott Ude + HMI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-128642-43299.1
Client Contact: Joe Wiley	Phone: 832-347-4521	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 1
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_1Q2024			
Project Name: Jal #4 Gas Plant RWIP (1Q24)	Project #: 40012867			
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)		9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	N	N	A	N	D	X	
ACW-13	3/27/24	935	G	Water	N	N	✓	✓	✓	✓	✓		
ACW-14		1025		Water			✓	✓	✓	✓	✓		
ACW-15		825		Water			✓	✓	✓	✓	✓		
Doom Well		820		Water			✓	✓	✓	✓	✓		
Oxy Well		910		Water			✓	✓	✓	✓	✓		
Dup-01		900		Water			✓	✓	✓	✓	✓		
~~TB~~ Trip Blank-01		—		Water					✓				

SM

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
[signature]	3/27/24 1200	HMI	Tammy Pruett	3/29/24 0906	
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: 0.0 CORR 0

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-253562-1
SDG Number: 1Q24

Login Number: 253562
List Number: 1
Creator: Earnest, Tamantha

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	0.0°C IR10
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 400-253562-1
SDG Number: 1Q24

Login Number: 253562
List Number: 2
Creator: Beck, Brent

List Source: Eurofins Orlando
List Creation: 04/03/24 11:15 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant RWIP

Job ID: 400-253562-1
SDG: 1Q24

Laboratory: Eurofins Pensacola

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Louisiana (All)	NELAP	30976	06-30-24
Texas	NELAP	T104704286	09-30-24

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
120.1		Water	Specific Conductance
SM 2540C		Water	Total Dissolved Solids

Laboratory: Eurofins Orlando

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	42800	06-30-24
Arkansas (DW)	State	FL00091	06-30-24
Florida	NELAP	E83018	06-30-24
Georgia (DW)	State	C055	06-30-24
Louisiana (All)	NELAP	239316	06-30-24
Louisiana (DW)	State	LA039	05-24-24
Mississippi	State	MS00007	06-30-24
New Mexico	State	FL00091	06-30-24
North Carolina (DW)	State	12712	07-31-24
Oklahoma	State	2308	08-31-24
Tennessee	State	TN04930	06-30-24
Texas	NELAP	T104704571	02-28-25
Washington	State	C1089	10-19-24

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 2Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

Introduction:
This validation report documents the data review through the checklists below. Further identification and explanation of the anomalies identified are provided following each section of the checklist, as needed.

The field sample and laboratory identification associations are summarized in Table 1. A summary of qualified results is included in Table 2. Data are qualified per the definitions and reason codes presented in Attachment A.

Laboratory - Sample Delivery Groups:
Eurofins Environment Testing in Pensacola, Florida (Eurofins) – 400-257261-1

Methods:
Benzene, toluene, ethylbenzene, and xylenes (BTEX) (8260D), Sodium (6010D), Chloride (9056A), Total Dissolved Solids (TDS) [Standard Methods (SM) 2540D], Conductivity (120.1).

Validation:
Stage 2A Validation

Guidance Documents:
National Functional Guidelines for Organic Superfund Methods Data Review (November 2020), *National Function Guidelines for Inorganic Superfund Methods Data Review* (November 2020), laboratory quality control (QC) criteria, and method requirements, where applicable.

Overall Assessment of Data:
The data are considered usable without qualification. The overall assessment of data was acceptable and considered 100% complete.

Data Validation Report

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1.0 Sample Documentation

Sample Documentation Criteria	Yes	No	NA
Were all samples documented correctly on the chain-of-custody (COC) and container labels?	X		
Were sample analyses completed per the COC?	X		
Were samples extracted and analyzed within the method required holding times?	X		
Laboratory Case Narrative	**Yes**	**No**	**NA**
Were there narrative clarifications not identified within this validation report?		X	

Data Validation Report

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2.0 Quality Control and Performance Checks

Stage 2A				
Method Blank Criteria		**Yes**	**No**	**NA**
Was a method blank analyzed for each batch?		X		
Were method blank concentrations reported as non-detected for the target analytes?		X		
Laboratory Control Sample (LCS) Criteria		**Yes**	**No**	**NA**
Was an LCS reported with each preparation batch?		X		
Were LCS/LCSD recoveries and/or RPDs within laboratory control limits?		X		
Matrix Spike/Matrix Spike Duplicates (MS/MSD) Criteria		**Yes**	**No**	**NA**
Was an MS/MSD performed on a project specific sample?			X	
Parent Sample Identification	**Method**			
NA	NA			
For concentrations <4x the spike concentration, were MS/MSD recoveries and RPDs within criteria?				X
Laboratory Duplicate Criteria (Inorganics)		**Yes**	**No**	**NA**
Was a laboratory duplicate performed on a project specific sample?			X	
Parent Sample Identification	**Method**			
NA	NA			
If both the parent sample and duplicate values were >5xRL, was laboratory duplicate RPD within acceptance criteria of <20%?				X
If either the parent sample or duplicate value was <5xRL, was the absolute difference within acceptance criteria of <1xRL?				X
Surrogate Criteria (Organics)		**Yes**	**No**	**NA**
Were the surrogates within acceptance limits?		X		

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3.0 Field Quality Control Samples

Verification Criteria		Yes	No	NA
Was a trip blank shipped with, and analyzed with the samples? (VOCs only)		X		
Were trip blank concentrations reported as non-detected for the target analytes?		X		
Were field and/or equipment blanks collected and analyzed? (Field blank VOCs only)				X
Were field QC blank concentrations reported as non-detected for the target analytes?				X
Field Duplicate Criteria		**Yes**	**No**	**NA**
Were field duplicate samples collected?		X		
Parent Sample	**Field Duplicate Sample**			
ACW-13	Dup-01			
Were parent sample/field duplicate RPDs ≤30% for analytes that had concentrations >5x the RL?		X		
Were the differences between the parent sample/field duplicate <2xRL for analytes that had concentrations <5x the RL?		X		

Data Validation Report

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4.0 Sensitivity and Additional Qualification

Sensitivity Criteria	Yes	No	NA
Was the laboratory sensitivity consistent with project requirements?	X		
Did all analytes meet sensitivity requirements?	X		
Additional Qualification Criteria	**Yes**	**No**	**NA**
Was professional judgment used to qualify data, if not addressed in Sections 1, 2, and 3?			X
Trace level detections, results reported between the method detection limit (MDL) and the reporting limit (RL) were qualified as estimated (J lq).			X
Were multiple results reported?			X
Completeness Criteria	**Yes**	**No**	**NA**
Were the reported results usable if qualified?	X		
Were the analyses requested performed, the correct analyte lists used, and correct sample preparation and analyses methods and units utilized?	X		

Table 1: Summary of Samples

Sample Identification	Laboratory Identification	Collection Date	Sample Type	Analyses
ACW-13	400-257261-1	6/5/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
ACW-14	400-257261-2	6/5/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
ACW-15	400-257261-3	6/5/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
DOOM WELL	400-257261-4	6/5/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
OXY WELL	400-257261-5	6/5/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1
DUP-01	400-257261-6	6/5/2024	Field Duplicate	8260D, 6010D, 9056A, SM2540C, 120.1
TRIP BLANK-01	400-257261-7	6/5/2024	Trip Blank	8260D

Table 2: Summary of Qualified Results

Sample Identification	Laboratory Identification	Analytical Method	Analyte	Qualifier	Reason Code
No qualified results.					

Attachment A

DATA VALIDATION QUALIFIER DEFINITIONS

List of Possible Qualifiers Assigned by AECOM Data Review Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit, or the sample result was considered not-detected due to associated blank contamination.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity, but the result may be biased high.

J- The result is an estimated quantity, but the result may be biased low.

UJ The analyte was analyzed for, but was not detected. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.

R The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control (QC) criteria. The analyte may or may not be present in the sample.

REASON CODE DEFINITIONS

be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
c	Calibration issue
cl	Clean-up standard recovery
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
fd	Field duplicate imprecision
g	Chromatographic pattern match issue
h	Holding times
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
k	Estimated Maximum Possible Concentrations
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate imprecision (matrix duplicate, MSD, LCSD)
lq	Level of quantitation/trace value
m	Matrix spike recovery
nb	Negative laboratory blank contamination
p	Chemical preservation issue
pe	Post Extraction Spike
pj	Professional Judgement
q	Quantitation issue
r	Dual column RPD
rp	Re-extraction precision issue [PAHs only]
rt	SIM ions not within + 2 seconds
s	Surrogate/IDA recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
v	compound identification issue
y	Serial dilution results
z	ICS results

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Wallace Gilmore
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094
Generated 6/19/2024 1:41:40 PM

JOB DESCRIPTION

Jal #4 Gas Plant

JOB NUMBER

400-257261-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Released to Imaging: 5/2/2025 11:15:22 AM

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Client: AECOM
Project/Site: Jal #4 Gas Plant

Laboratory Job ID: 400-257261-1

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Case Narrative

Client: AECOM
Project: Jal #4 Gas Plant

Job ID: 400-257261-1

Job ID: 400-257261-1 Eurofins Pensacola

Job Narrative
400-257261-1

Receipt
The samples were received on 6/7/2024 9:08 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.7º C.

GC/MS VOA
Method 8260D: The matrix spike (MSD) recoveries for analytical batch 400-674344 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

HPLC/IC
Method 9056A: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-674774 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 9056A: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-13 (400-257261-1), ACW-14 (400-257261-2), ACW-15 (400-257261-3), OXY WELL (400-257261-5) and DUP-01 (400-257261-6). Elevated reporting limits (RLs) are provided.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-674340 was outside control limits. Sample matrix interference is suspected.

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

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: ACW-13 — Lab Sample ID: 400-257261-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1800		50	13	mg/L	50		9056A	Total/NA
Sodium	210		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	4500		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4300		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14 — Lab Sample ID: 400-257261-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	240		5.0	1.3	mg/L	5		9056A	Total/NA
Sodium	110		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1100		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	760		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15 — Lab Sample ID: 400-257261-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	310		10	2.5	mg/L	10		9056A	Total/NA
Sodium	100		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1200		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	12000		130	130	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL — Lab Sample ID: 400-257261-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	33		1.0	0.25	mg/L	1		9056A	Total/NA
Sodium	62		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	610		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	470		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: OXY WELL — Lab Sample ID: 400-257261-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0012		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	220		5.0	1.3	mg/L	5		9056A	Total/NA
Sodium	98		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1200		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	840		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-257261-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1900		50	13	mg/L	50		9056A	Total/NA
Sodium	190		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	4500		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4200		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP-BLANK-01 — Lab Sample ID: 400-257261-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET ORL
120.1	Conductivity, Specific Conductance	EPA	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3005A	Preparation, Total Metals	SW846	EET ORL
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-257261-1	ACW-13	Water	06/05/24 09:25	06/07/24 09:08
400-257261-2	ACW-14	Water	06/05/24 10:25	06/07/24 09:08
400-257261-3	ACW-15	Water	06/05/24 08:25	06/07/24 09:08
400-257261-4	DOOM WELL	Water	06/05/24 09:05	06/07/24 09:08
400-257261-5	OXY WELL	Water	06/05/24 08:40	06/07/24 09:08
400-257261-6	DUP-01	Water	06/05/24 10:00	06/07/24 09:08
400-257261-7	TRIP-BLANK-01	Water	06/07/24 00:00	06/07/24 09:08

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: ACW-13
Date Collected: 06/05/24 09:25
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 10:58	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/11/24 10:58	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 10:58	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/11/24 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*06/11/24 10:58*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*06/11/24 10:58*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*06/11/24 10:58*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1800**		50	13	mg/L			06/13/24 20:45	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**210**		0.50	0.13	mg/L		06/08/24 16:25	06/10/24 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**4500**		10	10	umhos/cm			06/18/24 14:18	1
Total Dissolved Solids (SM 2540C)	**4300**		25	25	mg/L			06/11/24 00:48	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: ACW-14
Date Collected: 06/05/24 10:25
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 11:17	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/11/24 11:17	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 11:17	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/11/24 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*06/11/24 11:17*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*06/11/24 11:17*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*06/11/24 11:17*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		5.0	1.3	mg/L			06/13/24 04:12	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**110**		0.50	0.13	mg/L		06/08/24 16:25	06/10/24 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1100**		10	10	umhos/cm			06/18/24 14:18	1
Total Dissolved Solids (SM 2540C)	**760**		10	10	mg/L			06/11/24 00:48	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: ACW-15

Date Collected: 06/05/24 08:25
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 11:36	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/11/24 11:36	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 11:36	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/11/24 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 130*		*06/11/24 11:36*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*06/11/24 11:36*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/11/24 11:36*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**310**		10	2.5	mg/L			06/13/24 20:53	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**100**		0.50	0.13	mg/L		06/08/24 16:25	06/10/24 17:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1200**		10	10	umhos/cm			06/18/24 14:18	1
Total Dissolved Solids (SM 2540C)	**12000**		130	130	mg/L			06/11/24 00:48	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: DOOM WELL

Date Collected: 06/05/24 09:05
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 11:55	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/11/24 11:55	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 11:55	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/11/24 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 130*		*06/11/24 11:55*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*06/11/24 11:55*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*06/11/24 11:55*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33**		1.0	0.25	mg/L			06/11/24 16:56	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**62**		0.50	0.13	mg/L		06/08/24 16:25	06/10/24 17:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**610**		10	10	umhos/cm			06/18/24 14:18	1
Total Dissolved Solids (SM 2540C)	**470**		5.0	5.0	mg/L			06/11/24 00:48	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: OXY WELL

Date Collected: 06/05/24 08:40
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0012**		0.0010	0.00050	mg/L			06/11/24 12:14	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/11/24 12:14	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 12:14	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/11/24 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*06/11/24 12:14*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*06/11/24 12:14*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*06/11/24 12:14*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**220**		5.0	1.3	mg/L			06/13/24 04:54	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**98**		0.50	0.13	mg/L		06/08/24 16:25	06/10/24 17:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1200**		10	10	umhos/cm			06/18/24 14:18	1
Total Dissolved Solids (SM 2540C)	**840**		10	10	mg/L			06/11/24 00:48	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: DUP-01
Date Collected: 06/05/24 10:00
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 12:33	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/11/24 12:33	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 12:33	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/11/24 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*06/11/24 12:33*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*06/11/24 12:33*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*06/11/24 12:33*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		50	13	mg/L			06/13/24 21:02	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**190**		0.50	0.13	mg/L		06/08/24 16:25	06/10/24 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**4500**		10	10	umhos/cm			06/18/24 14:18	1
Total Dissolved Solids (SM 2540C)	**4200**		25	25	mg/L			06/11/24 00:48	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: TRIP-BLANK-01

Date Collected: 06/07/24 00:00
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 10:02	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/11/24 10:02	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 10:02	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/11/24 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*06/11/24 10:02*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*06/11/24 10:02*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*06/11/24 10:02*	*1*

Definitions/Glossary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

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

Surrogate Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Method: 8260D - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-130)	(75-126)	(64-132)
400-257261-1	ACW-13	92	102	99
400-257261-2	ACW-14	95	101	97
400-257261-3	ACW-15	93	101	98
400-257261-4	DOOM WELL	93	102	99
400-257261-5	OXY WELL	95	100	99
400-257261-6	DUP-01	92	101	99
400-257261-7	TRIP-BLANK-01	94	100	98
LCS 400-674344/1001	Lab Control Sample	98	103	100
MB 400-674344/5	Method Blank	94	101	99

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: ACW-13
Date Collected: 06/05/24 09:25
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-1
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	8260D		1	5 mL	5 mL	674344	06/11/24 10:58	LSS	EET PEN
Total/NA	Analysis	9056A		50			674774	06/13/24 20:45	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	94774	06/08/24 16:25	EB	EET ORL
Total Recoverable	Analysis	6010D		1			95074	06/10/24 17:02	AS	EET ORL
Total/NA	Analysis	120.1		1			675208	06/18/24 14:18	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	674340	06/11/24 00:48	HA	EET PEN

Client Sample ID: ACW-14
Date Collected: 06/05/24 10:25
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-2
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	8260D		1	5 mL	5 mL	674344	06/11/24 11:17	LSS	EET PEN
Total/NA	Analysis	9056A		5			674647	06/13/24 04:12	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	94774	06/08/24 16:25	EB	EET ORL
Total Recoverable	Analysis	6010D		1			95074	06/10/24 17:05	AS	EET ORL
Total/NA	Analysis	120.1		1			675208	06/18/24 14:18	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	674340	06/11/24 00:48	HA	EET PEN

Client Sample ID: ACW-15
Date Collected: 06/05/24 08:25
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-3
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	8260D		1	5 mL	5 mL	674344	06/11/24 11:36	LSS	EET PEN
Total/NA	Analysis	9056A		10			674774	06/13/24 20:53	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	94774	06/08/24 16:25	EB	EET ORL
Total Recoverable	Analysis	6010D		1			95074	06/10/24 17:08	AS	EET ORL
Total/NA	Analysis	120.1		1			675208	06/18/24 14:18	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	2 mL	50 mL	674340	06/11/24 00:48	HA	EET PEN

Client Sample ID: DOOM WELL
Date Collected: 06/05/24 09:05
Date Received: 06/07/24 09:08

Lab Sample ID: 400-257261-4
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	8260D		1	5 mL	5 mL	674344	06/11/24 11:55	LSS	EET PEN
Total/NA	Analysis	9056A		1	10 mL	10 mL	674426	06/11/24 16:56	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	94774	06/08/24 16:25	EB	EET ORL
Total Recoverable	Analysis	6010D		1			95074	06/10/24 17:10	AS	EET ORL
Total/NA	Analysis	120.1		1			675208	06/18/24 14:18	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	674340	06/11/24 00:48	HA	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-257261-1
Project/Site: Jal #4 Gas Plant

Client Sample ID: OXY WELL
Lab Sample ID: 400-257261-5
Date Collected: 06/05/24 08:40
Matrix: Water
Date Received: 06/07/24 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674344	06/11/24 12:14	LSS	EET PEN
Total/NA	Analysis	9056A		5			674647	06/13/24 04:54	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	94774	06/08/24 16:25	EB	EET ORL
Total Recoverable	Analysis	6010D		1			95074	06/10/24 17:13	AS	EET ORL
Total/NA	Analysis	120.1		1			675208	06/18/24 14:18	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	674340	06/11/24 00:48	HA	EET PEN

Client Sample ID: DUP-01
Lab Sample ID: 400-257261-6
Date Collected: 06/05/24 10:00
Matrix: Water
Date Received: 06/07/24 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674344	06/11/24 12:33	LSS	EET PEN
Total/NA	Analysis	9056A		50			674774	06/13/24 21:02	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	94774	06/08/24 16:25	EB	EET ORL
Total Recoverable	Analysis	6010D		1			95074	06/10/24 17:16	AS	EET ORL
Total/NA	Analysis	120.1		1			675208	06/18/24 14:18	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	674340	06/11/24 00:48	HA	EET PEN

Client Sample ID: TRIP-BLANK-01
Lab Sample ID: 400-257261-7
Date Collected: 06/07/24 00:00
Matrix: Water
Date Received: 06/07/24 09:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674344	06/11/24 10:02	LSS	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-674340/1
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	674340	06/11/24 00:48	HA	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-674344/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674344	06/11/24 07:53	LSS	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-257261-1
Project/Site: Jal #4 Gas Plant

Client Sample ID: Method Blank
Lab Sample ID: MB 400-674426/78
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1	10 mL	10 mL	674426	06/11/24 13:56	LHB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-674647/53
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			674647	06/13/24 03:12	LHB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-674774/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			674774	06/13/24 18:37	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-675208/1
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		1			675208	06/18/24 14:18	JP	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 670-94774/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	94774	06/08/24 16:25	EB	EET ORL
Total Recoverable	Analysis	6010D		1			95074	06/10/24 16:18	AS	EET ORL

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-674340/2
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	674340	06/11/24 00:48	HA	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-674344/1001
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	674344	06/11/24 06:21	LSS	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-674426/79
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1	10 mL	10 mL	674426	06/11/24 14:16	LHB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-674647/54
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			674647	06/13/24 03:21	LHB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-674774/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			674774	06/13/24 18:46	AMM	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-675208/2
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		1			675208	06/18/24 14:18	JP	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 670-94774/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	94774	06/08/24 16:25	EB	EET ORL
Total Recoverable	Analysis	6010D		1			95074	06/10/24 16:12	AS	EET ORL

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-674426/80
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1	10 mL	10 mL	674426	06/11/24 14:36	LHB	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-674647/55
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			674647	06/13/24 03:29	LHB	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-257261-1
Project/Site: Jal #4 Gas Plant

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-674774/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9056A		1			674774	06/13/24 18:54	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 670-94774/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	94774	06/08/24 16:25	EB	EET ORL
Total Recoverable	Analysis	6010D		1			95074	06/10/24 16:15	AS	EET ORL

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

GC/MS VOA

Analysis Batch: 674344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-257261-1	ACW-13	Total/NA	Water	8260D	
400-257261-2	ACW-14	Total/NA	Water	8260D	
400-257261-3	ACW-15	Total/NA	Water	8260D	
400-257261-4	DOOM WELL	Total/NA	Water	8260D	
400-257261-5	OXY WELL	Total/NA	Water	8260D	
400-257261-6	DUP-01	Total/NA	Water	8260D	
400-257261-7	TRIP-BLANK-01	Total/NA	Water	8260D	
MB 400-674344/5	Method Blank	Total/NA	Water	8260D	
LCS 400-674344/1001	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 674426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-257261-4	DOOM WELL	Total/NA	Water	9056A	
MB 400-674426/78	Method Blank	Total/NA	Water	9056A	
LCS 400-674426/79	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-674426/80	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 674647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-257261-2	ACW-14	Total/NA	Water	9056A	
400-257261-5	OXY WELL	Total/NA	Water	9056A	
MB 400-674647/53	Method Blank	Total/NA	Water	9056A	
LCS 400-674647/54	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-674647/55	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 674774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-257261-1	ACW-13	Total/NA	Water	9056A	
400-257261-3	ACW-15	Total/NA	Water	9056A	
400-257261-6	DUP-01	Total/NA	Water	9056A	
MB 400-674774/5	Method Blank	Total/NA	Water	9056A	
LCS 400-674774/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-674774/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 94774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-257261-1	ACW-13	Total Recoverable	Water	3005A	
400-257261-2	ACW-14	Total Recoverable	Water	3005A	
400-257261-3	ACW-15	Total Recoverable	Water	3005A	
400-257261-4	DOOM WELL	Total Recoverable	Water	3005A	
400-257261-5	OXY WELL	Total Recoverable	Water	3005A	
400-257261-6	DUP-01	Total Recoverable	Water	3005A	
MB 670-94774/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-94774/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-94774/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Metals

Analysis Batch: 95074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-257261-1	ACW-13	Total Recoverable	Water	6010D	94774
400-257261-2	ACW-14	Total Recoverable	Water	6010D	94774
400-257261-3	ACW-15	Total Recoverable	Water	6010D	94774
400-257261-4	DOOM WELL	Total Recoverable	Water	6010D	94774
400-257261-5	OXY WELL	Total Recoverable	Water	6010D	94774
400-257261-6	DUP-01	Total Recoverable	Water	6010D	94774
MB 670-94774/3-A	Method Blank	Total Recoverable	Water	6010D	94774
LCS 670-94774/1-A	Lab Control Sample	Total Recoverable	Water	6010D	94774
LCSD 670-94774/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	94774

General Chemistry

Analysis Batch: 674340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-257261-1	ACW-13	Total/NA	Water	SM 2540C	
400-257261-2	ACW-14	Total/NA	Water	SM 2540C	
400-257261-3	ACW-15	Total/NA	Water	SM 2540C	
400-257261-4	DOOM WELL	Total/NA	Water	SM 2540C	
400-257261-5	OXY WELL	Total/NA	Water	SM 2540C	
400-257261-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-674340/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-674340/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 675208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-257261-1	ACW-13	Total/NA	Water	120.1	
400-257261-2	ACW-14	Total/NA	Water	120.1	
400-257261-3	ACW-15	Total/NA	Water	120.1	
400-257261-4	DOOM WELL	Total/NA	Water	120.1	
400-257261-5	OXY WELL	Total/NA	Water	120.1	
400-257261-6	DUP-01	Total/NA	Water	120.1	
MB 400-675208/1	Method Blank	Total/NA	Water	120.1	
LCS 400-675208/2	Lab Control Sample	Total/NA	Water	120.1	

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-674344/5
Matrix: Water
Analysis Batch: 674344

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 07:53	1
Toluene	<0.00090		0.0010	0.00090	mg/L			06/11/24 07:53	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			06/11/24 07:53	1
Xylenes, Total	<0.0016		0.010	0.0016	mg/L			06/11/24 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*06/11/24 07:53*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*06/11/24 07:53*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*06/11/24 07:53*	*1*

Lab Sample ID: LCS 400-674344/1001
Matrix: Water
Analysis Batch: 674344

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0553		mg/L		111	70 - 130
Toluene	0.0500	0.0561		mg/L		112	70 - 130
Ethylbenzene	0.0500	0.0593		mg/L		119	70 - 130
Xylenes, Total	0.100	0.115		mg/L		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*72 - 130*
Dibromofluoromethane	*103*		*75 - 126*
Toluene-d8 (Surr)	*100*		*64 - 132*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-674426/78
Matrix: Water
Analysis Batch: 674426

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		1.0	0.25	mg/L			06/11/24 13:56	1

Lab Sample ID: LCS 400-674426/79
Matrix: Water
Analysis Batch: 674426

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.2		mg/L		102	90 - 110

Lab Sample ID: LCSD 400-674426/80
Matrix: Water
Analysis Batch: 674426

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
Chloride	10.0	10.2		mg/L		102	90 - 110	1	15

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 400-674647/53
Matrix: Water
Analysis Batch: 674647

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		1.0	0.25	mg/L			06/13/24 03:12	1

Lab Sample ID: LCS 400-674647/54
Matrix: Water
Analysis Batch: 674647

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.3		mg/L		103	90 - 110

Lab Sample ID: LCSD 400-674647/55
Matrix: Water
Analysis Batch: 674647

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
Chloride	10.0	10.3		mg/L		103	90 - 110	0	15

Lab Sample ID: MB 400-674774/5
Matrix: Water
Analysis Batch: 674774

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		1.0	0.25	mg/L			06/13/24 18:37	1

Lab Sample ID: LCS 400-674774/6
Matrix: Water
Analysis Batch: 674774

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: LCSD 400-674774/7
Matrix: Water
Analysis Batch: 674774

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
Chloride	10.0	10.1		mg/L		101	90 - 110	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-94774/3-A
Matrix: Water
Analysis Batch: 95074

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 94774

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.12		0.45	0.12	mg/L		06/08/24 16:25	06/10/24 16:18	1

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 670-94774/1-A
Matrix: Water
Analysis Batch: 95074

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 94774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.1	10.2		mg/L		101	80 - 120

Lab Sample ID: LCSD 670-94774/2-A
Matrix: Water
Analysis Batch: 95074

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 94774

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	10.1	10.2		mg/L		101	80 - 120	0	20

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-675208/1
Matrix: Water
Analysis Batch: 675208

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10		10	10	umhos/cm			06/18/24 14:18	1

Lab Sample ID: LCS 400-675208/2
Matrix: Water
Analysis Batch: 675208

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	10.0	<10		umhos/cm		98	90 - 110

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-674340/1
Matrix: Water
Analysis Batch: 674340

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			06/11/24 00:48	1

Lab Sample ID: LCS 400-674340/2
Matrix: Water
Analysis Batch: 674340

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	293	298		mg/L		102	78 - 122

Released to Imaging: 9/2/2025 11:15:22 AM
Received by OCD: 3/27/2025 11:08:08 AM

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

FedEx :

400-257261 COC

Client Information	Sampler: Mason Bond & HMI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s): 252 0543 2338	COC No: 400-130974-43299.1
Client Contact: Joe Wiley	Phone: 281-725-4825	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: El Paso Energy Corporation	PWSID:	Analysis Requested		Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			Preservation Codes: N - None A - HCL D - HNO3
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site:	SSOW#:			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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X	X	X	X	X	X	
ACW-13	6-5-24	925	G	Water	N	N	X	X	X	X	X		
ACW-14		1025		Water			X	X	X	X	X		
ACW-15		835		Water			X	X	X	X	X		
Doom well		905		Water			X	X	X	X	X		
OXY well		840		Water			X	X	X	X	X		
DUP-01		1000	↓	Water			X	X	X	X	X		
BRH ~~TB~~ Trip Blank-01	↓	—	—	Water	↓	↓			X				

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
	6-5-24 1300	HMI		6-1-24 908	
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: 5.7° IR10

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: AECOM Job Number: 400-257261-1

Login Number: 257261 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Pardonner, Brett

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	5.7°C IR10
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-257261-1

Laboratory: Eurofins Pensacola

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Louisiana (All)	NELAP	30976	06-30-24
Texas	NELAP	T104704286	09-30-24

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
120.1		Water	Specific Conductance
SM 2540C		Water	Total Dissolved Solids

Laboratory: Eurofins Orlando

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	42800	06-30-24
Arkansas (DW)	State	FL00091	06-30-24
Florida	NELAP	E83018	06-30-24
Georgia (DW)	State	C055	06-30-24
Louisiana (All)	NELAP	239316	06-30-24
Mississippi	State	MS00007	06-30-24
New Mexico	State	FL00091	06-30-24
North Carolina (DW)	State	12712	07-31-24
Oklahoma	State	2308	08-31-24
Tennessee	State	TN04930	06-30-24
Texas	NELAP	T104704571	02-28-25
Washington	State	C1089	10-19-24

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 3Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

Introduction:
This validation report documents the data review through the checklists below. Further identification and explanation of the anomalies identified are provided following each section of the checklist, as needed.

The field sample and laboratory identification associations are summarized in Table 1. A summary of qualified results is included in Table 2. Data are qualified per the definitions and reason codes presented in Attachment A.

Laboratory - Sample Delivery Groups:
Eurofins Environment Testing in Pensacola, Florida (Eurofins) – 400-261856-1

Methods:
Benzene, toluene, ethylbenzene, and xylenes (BTEX) (8260D), Sodium (6010D), Chloride (9056A), Total Dissolved Solids (TDS) [Standard Methods (SM) 2540D], Sulfide (SM4500 S2 D), Conductivity (120.1).

Validation:
Stage 2A Validation

Guidance Documents:
National Functional Guidelines for Organic Superfund Methods Data Review (November 2020), *National Function Guidelines for Inorganic Superfund Methods Data Review* (November 2020), laboratory quality control (QC) criteria, and method requirements, where applicable.

Overall Assessment of Data:
The data are considered usable without qualification. The overall assessment of data was acceptable and considered 100% complete.

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 3Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

1.0 Sample Documentation

Sample Documentation Criteria	Yes	No	NA
Were all samples documented correctly on the chain-of-custody (COC) and container labels?	X[1]		
Were sample analyses completed per the COC?	X		
Were samples extracted and analyzed within the method required holding times?	X		
Laboratory Case Narrative	**Yes**	**No**	**NA**
Were there narrative clarifications not identified within this validation report?		X	

1. The sample identification listed in the laboratory report “EDNG-01” is incorrect; the sample is correctly identified as “EPNG-01” in this validation report. A revised report from the laboratory is generally requested in these instances.

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 3Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

2.0 Quality Control and Performance Checks

Stage 2A			
Method Blank Criteria	**Yes**	**No**	**NA**
Was a method blank analyzed for each batch?	X		
Were method blank concentrations reported as non-detected for the target analytes?	X		
Laboratory Control Sample (LCS) Criteria	**Yes**	**No**	**NA**
Was an LCS reported with each preparation batch?	X		
Were LCS/LCSD recoveries and/or RPDs within laboratory control limits?	X		
Matrix Spike/Matrix Spike Duplicates (MS/MSD) Criteria	**Yes**	**No**	**NA**
Was an MS/MSD performed on a project specific sample?	X		

Parent Sample Identification	**Method**
ACW-18	8260D
ACW-10	6010D
ACW-23	6010D, 4500S2-D
ACW-12	6010D
ACW-01	4500S2-D
ACW-13	4500S2-D
ACW-32D	4500S2-D

For concentrations <4x the spike concentration, were MS/MSD recoveries and RPDs within criteria?	X		
Laboratory Duplicate Criteria (Inorganics)	**Yes**	**No**	**NA**
Was a laboratory duplicate performed on a project specific sample?	X		

Parent Sample Identification	**Method**
ACW-11	120.1
ACW-16	120.1
ACW-30D	120.1
DUP-03	120.1
ACW-02A	2540C
ACW-14	2540C
ACW-24	2540C
ENSR-01	2540C

If both the parent sample and duplicate values were >5xRL, was laboratory duplicate RPD within acceptance criteria of <20%?		X[1]	
If either the parent sample or duplicate value was <5xRL, was the absolute difference within acceptance criteria of <1xRL?			X
Surrogate Criteria (Organics)	**Yes**	**No**	**NA**
Were the surrogates within acceptance limits?	X		

1. The following results did not meet laboratory duplicate criteria:

Parent Sample Identification	Analyte	Sample Result	Duplicate Result	Criteria not Met
ACW-02A	Total Dissolved Solids	8600 mg/L	6960 mg/L	RPD<20%

The associated results were qualified as estimated (J ld) due to duplicate imprecision. A summary of qualified results is included in Table 2.

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 3Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

3.0 Field Quality Control Samples

Verification Criteria		Yes	No	NA
Was a trip blank shipped with, and analyzed with the samples? (VOCs only)		X		
Were trip blank concentrations reported as non-detected for the target analytes?		X		
Were field and/or equipment blanks collected and analyzed? (Field blank VOCs only)				X
Were field QC blank concentrations reported as non-detected for the target analytes?				X
Field Duplicate Criteria		**Yes**	**No**	**NA**
Were field duplicate samples collected?		X		
Parent Sample	**Field Duplicate Sample**			
ACW-32S	DUP-01			
ACW-30D	DUP-02			
ACW-20	DUP-03			
ACW-29	DUP-04			
Were parent sample/field duplicate RPDs ≤30% for analytes that had concentrations >5x the RL?			X[1]	
Were the differences between the parent sample/field duplicate <2xRL for analytes that had concentrations <5x the RL?		X		

1. The following results did not meet field duplicate criteria:

Duplicate Pair Identification	Analyte	Sample Result	Duplicate Result	Criteria not Met
ACW-32S/DUP-01	Chloride	710 mg/L	360 mg/L	RPD <30%
ACW-30D/DUP-02	Total Dissolved Solids	26000 mg/L	36000 mg/L	RPD <30%
ACW-20/DUP-03	Chloride	67000 mg/L	94000 mg/L	RPD <30%

The associated results were qualified as estimated (J fd) due to field duplicate imprecision. A summary of qualified results is included in Table 2.

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 3Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

4.0 Sensitivity and Additional Qualification

Sensitivity Criteria	Yes	No	NA
Was the laboratory sensitivity consistent with project requirements?	X[1]		
Did all analytes meet sensitivity requirements?		X[1]	
Additional Qualification Criteria	**Yes**	**No**	**NA**
Was professional judgment used to qualify data, if not addressed in Sections 1, 2, and 3?			X
Trace level detections, results reported between the method detection limit (MDL) and the reporting limit (RL) were qualified as estimated (J lq).	X		
Were multiple results reported?			X
Completeness Criteria	**Yes**	**No**	**NA**
Were the reported results usable if qualified?	X		
Were the analyses requested performed, the correct analyte lists used, and correct sample preparation and analyses methods and units utilized?	X		

1. Several results were reported as non-detect at elevated reporting limits. These results will need to be evaluated by the end user of the data for meeting project objectives.

Table 1: Summary of Samples

Sample Identification	Laboratory Identification	Collection Date	Sample Type	Analyses
ACW-01	400-261856-1	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-02A	400-261856-2	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-04	400-261856-3	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-05	400-261856-4	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-06	400-261856-5	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-07	400-261856-6	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-09	400-261856-7	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-10	400-261856-8	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-11	400-261856-9	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-12	400-261856-10	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-13	400-261856-11	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-14	400-261856-12	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-15	400-261856-13	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-16	400-261856-14	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-17	400-261856-15	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-18	400-261856-16	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-19	400-261856-17	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-20	400-261856-18	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-21	400-261856-19	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-22	400-261856-20	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-23	400-261856-21	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-24	400-261856-22	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-25	400-261856-23	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-26	400-261856-24	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-27	400-261856-25	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500

Sample Identification	Laboratory Identification	Collection Date	Sample Type	Analyses
ACW-28	400-261856-26	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-29	400-261856-27	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-30S	400-261856-28	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-30D	400-261856-29	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-32S	400-261856-30	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-32D	400-261856-31	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ENSR-01	400-261856-32	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
EPNG-01	400-261856-33	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
PTP-01	400-261856-34	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
DOOM WELL	400-261856-35	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
FMR OXY WELL	400-261856-36	9/4/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
DUP-01	400-261856-37	9/4/2024	Field Duplicate	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
DUP-02	400-261856-38	9/4/2024	Field Duplicate	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
DUP-03	400-261856-39	9/4/2024	Field Duplicate	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
DUP-04	400-261856-40	9/4/2024	Field Duplicate	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
TB_01	400-261856-41	9/4/2024	Trip Blank	8260D

Table 2: Summary of Qualified Results

Sample Identification	Laboratory Identification	Analytical Method	Analyte	Qualifier	Reason Code
ACW-02A	400-261856-2	SM 2540C	Total Dissolved Solids	J	ld
ACW-06	400-261856-5	8260D	Benzene	J	lq
ACW-07	400-261856-6	8260D	Xylenes, Total	J	lq
ACW-09	400-261856-7	8260D	Benzene	J	lq
ACW-16	400-261856-14	SM 4500 S2 D	Sulfide	J	lq
ACW-16	400-261856-14	SM 4500 S2 D	Sulfide as H2S	J	lq
ACW-17	400-261856-15	8260D	Benzene	J	lq
ACW-18	400-261856-16	8260D	Benzene	J	lq
ACW-18	400-261856-16	8260D	Ethylbenzene	J	lq
ACW-20	400-261856-18	9056A	Chloride	J	fd
ACW-24	400-261856-22	8260D	Benzene	J	lq
ACW-30D	400-261856-29	SM 2540C	Total Dissolved Solids	J	fd
ACW-32S	400-261856-30	9056A	Chloride	J	fd
ENSR-01	400-261856-32	SM 4500 S2 D	Sulfide	J	lq
ENSR-01	400-261856-32	SM 4500 S2 D	Sulfide as H2S	J	lq
PTP-01	400-261856-34	8260D	Benzene	J	lq
DUP-01	400-261856-37	9056A	Chloride	J	fd
DUP-02	400-261856-38	SM 2540C	Total Dissolved Solids	J	fd
DUP-03	400-261856-39	9056A	Chloride	J	fd

Attachment A

DATA VALIDATION QUALIFIER DEFINITIONS

List of Possible Qualifiers Assigned by AECOM Data Review Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit, or the sample result was considered not-detected due to associated blank contamination.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity, but the result may be biased high.

J- The result is an estimated quantity, but the result may be biased low.

UJ The analyte was analyzed for, but was not detected. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.

R The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control (QC) criteria. The analyte may or may not be present in the sample.

REASON CODE DEFINITIONS

be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
c	Calibration issue
cl	Clean-up standard recovery
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
fd	Field duplicate imprecision
g	Chromatographic pattern match issue
h	Holding times
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
k	Estimated Maximum Possible Concentrations
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate imprecision (matrix duplicate, MSD, LCSD)
lq	Level of quantitation/trace value
m	Matrix spike recovery
nb	Negative laboratory blank contamination
p	Chemical preservation issue
pe	Post Extraction Spike
pj	Professional Judgement
q	Quantitation issue
r	Dual column RPD
rp	Re-extraction precision issue [PAHs only]
rt	SIM ions not within + 2 seconds
s	Surrogate/IDA recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
v	compound identification issue
y	Serial dilution results
z	ICS results

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Wallace Gilmore
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094
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JOB DESCRIPTION

Jal #4 Gas Plant

JOB NUMBER

400-261856-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

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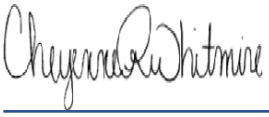
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Authorization



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Client: AECOM
Project/Site: Jal #4 Gas Plant

Laboratory Job ID: 400-261856-1

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Case Narrative

Client: AECOM
Project: Jal #4 Gas Plant

Job ID: 400-261856-1

Job ID: 400-261856-1 Eurofins Pensacola

Job Narrative
400-261856-1

Receipt
The samples were received on 9/5/2024 9:44 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 2.2º C, 3.0º C, 3.6º C, 4.0º C and 5.0º C.

GC/MS VOA
Method 8260D: The following sample was diluted due to the abundance of non-target analytes: ACW-24 (400-261856-22). Elevated reporting limits (RLs) are provided.

HPLC/IC
Method 9056A: The following samples were diluted to bring the concentration of target analytes within the calibration range: ACW-01 (400-261856-1), ACW-04 (400-261856-3), ACW-05 (400-261856-4), ACW-07 (400-261856-6), ACW-09 (400-261856-7), ACW-10 (400-261856-8), ACW-11 (400-261856-9), ACW-12 (400-261856-10), ACW-16 (400-261856-14), ACW-17 (400-261856-15), ACW-18 (400-261856-16), ACW-20 (400-261856-18), ACW-24 (400-261856-22), ACW-25 (400-261856-23), ACW-27 (400-261856-25), ACW-30D (400-261856-29), ENSR-01 (400-261856-32), EDNG-01 (400-261856-33), PTP-01 (400-261856-34), DOOM WELL (400-261856-35), FMR OXY WELL (400-261856-36), DUP-01 (400-261856-37), DUP-02 (400-261856-38) and DUP-03 (400-261856-39). Elevated reporting limits (RLs) are provided.

Method 9056A: The following samples were diluted due to high conductivity: ACW-02A (400-261856-2), ACW-06 (400-261856-5), ACW-07 (400-261856-6), ACW-13 (400-261856-11), ACW-14 (400-261856-12), ACW-15 (400-261856-13), ACW-16 (400-261856-14, ACW-17 (400-261856-15), ACW-19 (400-261856-17), ACW-21 (400-261856-19), ACW-22 (400-261856-20), ACW-23 (400-261856-21), ACW-26 (400-261856-24), ACW-29 (400-261856-27), ACW-30S (400-261856-28), ACW-32S (400-261856-30) and ACW-32D (400-261856-31). Elevated reporting limits (RL) are provided.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-683707 was outside control limits. Sample matrix interference is suspected.

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

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-01 — Lab Sample ID: 400-261856-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.026		0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	8600		200	150	mg/L	200		9056A	Total/NA
Sodium	4700		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	17000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	11000		130	130	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-02A — Lab Sample ID: 400-261856-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0057		0.0010	0.00024	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0014		0.0010	0.00050	mg/L	1		8260D	Total/NA
Toluene	0.0014		0.0010	0.00090	mg/L	1		8260D	Total/NA
Chloride	4100		100	74	mg/L	100		9056A	Total/NA
Sodium	2900		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	13000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	8600		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.57		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.61		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-04 — Lab Sample ID: 400-261856-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.018		0.0010	0.00024	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0022		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	77000		5000	3700	mg/L	5000		9056A	Total/NA
Sodium	36000		50	13	mg/L	100		6010D	Total Recoverable
Specific Conductance	110000		20	20	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	99000		130	130	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-05 — Lab Sample ID: 400-261856-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0063		0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	3400		100	74	mg/L	100		9056A	Total/NA
Sodium	1500		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	7600		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5600		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.22		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.23		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-06 — Lab Sample ID: 400-261856-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00039	J	0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	2300		50	37	mg/L	50		9056A	Total/NA
Sodium	1500		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	6200		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3300		50	50	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-07 — Lab Sample ID: 400-261856-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.029		0.0010	0.00024	mg/L	1		8260D	Total/NA
Ethylbenzene	0.011		0.0010	0.00050	mg/L	1		8260D	Total/NA
Toluene	0.0081		0.0010	0.00090	mg/L	1		8260D	Total/NA
Xylenes, Total	0.0064	J	0.010	0.0060	mg/L	1		8260D	Total/NA
Chloride	2800		100	74	mg/L	100		9056A	Total/NA
Sodium	1900		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	8000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4900		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.18		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.19		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-09 — Lab Sample ID: 400-261856-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00039	J	0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	13000		1000	740	mg/L	1000		9056A	Total/NA
Sodium	2900		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	21000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	26000		130	130	mg/L	1		SM 2540C	Total/NA
Sulfide	0.12		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.12		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-10 — Lab Sample ID: 400-261856-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.019		0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	9200		200	150	mg/L	200		9056A	Total/NA
Sodium	2300		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	15000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	17000		130	130	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-11 — Lab Sample ID: 400-261856-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.013		0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	25000		2000	1500	mg/L	2000		9056A	Total/NA
Sodium	6900		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	35000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	39000		130	130	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-12 — Lab Sample ID: 400-261856-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2800		100	74	mg/L	100		9056A	Total/NA
Sodium	560		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	5500		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	5500		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.11		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.11		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-13 — Lab Sample ID: 400-261856-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2300		50	37	mg/L	50		9056A	Total/NA
Sodium	220		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	4200		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4900		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14 — Lab Sample ID: 400-261856-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	310		10	7.4	mg/L	10		9056A	Total/NA
Sodium	130		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1200		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	780		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15 — Lab Sample ID: 400-261856-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	380		10	7.4	mg/L	10		9056A	Total/NA
Sodium	110		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1300		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	910		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-16 — Lab Sample ID: 400-261856-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0011		0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	13000		1000	740	mg/L	1000		9056A	Total/NA
Sodium	4300		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	21000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	21000		130	130	mg/L	1		SM 2540C	Total/NA
Sulfide	0.061	J	0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.065	J	0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-17 — Lab Sample ID: 400-261856-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00049	J	0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	9800		200	150	mg/L	200		9056A	Total/NA
Sodium	1900		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	16000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	14000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-18 — Lab Sample ID: 400-261856-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00074	J	0.0010	0.00024	mg/L	1		8260D	Total/NA
Ethylbenzene	0.00076	J	0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	67000		2000	1500	mg/L	2000		9056A	Total/NA
Sodium	24000		50	13	mg/L	100		6010D	Total Recoverable
Specific Conductance	77000		10	10	umhos/cm	1		120.1	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-18 (Continued) — Lab Sample ID: 400-261856-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	74000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-19 — Lab Sample ID: 400-261856-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.020		0.0010	0.00024	mg/L	1		8260D	Total/NA
Toluene	0.0043		0.0010	0.00090	mg/L	1		8260D	Total/NA
Chloride	1400		50	37	mg/L	50		9056A	Total/NA
Sodium	710		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	4800		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3300		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-20 — Lab Sample ID: 400-261856-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.041		0.0010	0.00024	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0046		0.0010	0.00050	mg/L	1		8260D	Total/NA
Toluene	0.0050		0.0010	0.00090	mg/L	1		8260D	Total/NA
Chloride	67000		5000	3700	mg/L	5000		9056A	Total/NA
Sodium	42000		50	13	mg/L	100		6010D	Total Recoverable
Specific Conductance	150000		20	20	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	100000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-21 — Lab Sample ID: 400-261856-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.016		0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	280		20	15	mg/L	20		9056A	Total/NA
Sodium	150		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1900		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1100		10	10	mg/L	1		SM 2540C	Total/NA
Sulfide	0.20		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.21		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-22 — Lab Sample ID: 400-261856-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	340		20	15	mg/L	20		9056A	Total/NA
Sodium	330		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	2300		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1300		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-23 — Lab Sample ID: 400-261856-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	570		20	15	mg/L	20		9056A	Total/NA
Sodium	310		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	3100		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2000		25	25	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-24 — Lab Sample ID: 400-261856-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0017	J	0.0050	0.0012	mg/L	5		8260D	Total/NA
Chloride	65000		2000	1500	mg/L	2000		9056A	Total/NA
Sodium	32000		50	13	mg/L	100		6010D	Total Recoverable
Specific Conductance	85000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	81000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-25 — Lab Sample ID: 400-261856-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.025		0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	29000		1000	740	mg/L	1000		9056A	Total/NA
Sodium	7400		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	35000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	44000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-26 — Lab Sample ID: 400-261856-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	390		20	15	mg/L	20		9056A	Total/NA
Sodium	260		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1800		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1100		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-27 — Lab Sample ID: 400-261856-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1500		50	37	mg/L	50		9056A	Total/NA
Sodium	340		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	4100		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	3500		25	25	mg/L	1		SM 2540C	Total/NA
Sulfide	0.13		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.14		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: ACW-28 — Lab Sample ID: 400-261856-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	29		1.0	0.74	mg/L	1		9056A	Total/NA
Sodium	56		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	600		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	390		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-29 — Lab Sample ID: 400-261856-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	40		5.0	3.7	mg/L	5		9056A	Total/NA
Sodium	84		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	710		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	460		5.0	5.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-30S — Lab Sample ID: 400-261856-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	79		5.0	3.7	mg/L	5		9056A	Total/NA
Sodium	64		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	800		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	530		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-30D — Lab Sample ID: 400-261856-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0011		0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	23000		1000	740	mg/L	1000		9056A	Total/NA
Sodium	6900		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	36000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	26000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-32S — Lab Sample ID: 400-261856-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	710		20	15	mg/L	20		9056A	Total/NA
Sodium	240		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	3100		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2200		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-32D — Lab Sample ID: 400-261856-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	270		20	15	mg/L	20		9056A	Total/NA
Sodium	130		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1600		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	980		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ENSR-01 — Lab Sample ID: 400-261856-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.011		0.0010	0.00024	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0015		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	4300		100	74	mg/L	100		9056A	Total/NA
Sodium	3300		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	14000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	8900		50	50	mg/L	1		SM 2540C	Total/NA
Sulfide	0.059	J	0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.062	J	0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: EDNG-01 — Lab Sample ID: 400-261856-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	73		5.0	3.7	mg/L	5		9056A	Total/NA
Sodium	100		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	770		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	410		5.0	5.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: EDNG-01 (Continued) — Lab Sample ID: 400-261856-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	0.21		0.10	0.057	mg/L	1		SM 4500 S2 D	Total/NA
Sulfide as H2S	0.23		0.11	0.061	mg/L	1		SM 4500 S2 D	Total/NA

Client Sample ID: PTP-01 — Lab Sample ID: 400-261856-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00027	J	0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	270		20	15	mg/L	20		9056A	Total/NA
Sodium	170		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	660		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	1000		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DOOM WELL — Lab Sample ID: 400-261856-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	32		5.0	3.7	mg/L	5		9056A	Total/NA
Sodium	68		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	610		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	410		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: FMR OXY WELL — Lab Sample ID: 400-261856-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	22		10	7.4	mg/L	10		9056A	Total/NA
Sodium	96		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1100		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	740		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-261856-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	360		10	7.4	mg/L	10		9056A	Total/NA
Sodium	260		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	2900		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2800		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-02 — Lab Sample ID: 400-261856-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0015		0.0010	0.00024	mg/L	1		8260D	Total/NA
Chloride	21000		1000	740	mg/L	1000		9056A	Total/NA
Sodium	6900		5.0	1.3	mg/L	10		6010D	Total Recoverable
Specific Conductance	34000		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	36000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-03 — Lab Sample ID: 400-261856-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.056		0.0010	0.00024	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0036		0.0010	0.00050	mg/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: DUP-03 (Continued) — Lab Sample ID: 400-261856-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0046		0.0010	0.00090	mg/L	1		8260D	Total/NA
Chloride	94000		2000	1500	mg/L	2000		9056A	Total/NA
Sodium	41000		50	13	mg/L	100		6010D	Total Recoverable
Specific Conductance	150000		20	20	umhos/cm	2		120.1	Total/NA
Total Dissolved Solids	92000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-04 — Lab Sample ID: 400-261856-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	48		1.0	0.74	mg/L	1		9056A	Total/NA
Sodium	73		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	730		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	540		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TB_01 — Lab Sample ID: 400-261856-41

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET ORL
120.1	Conductivity, Specific Conductance	EPA	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 S2 D	Sulfide, Total	SM	EET PEN
3005A	Preparation, Total Metals	SW846	EET ORL
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-261856-1	ACW-01	Water	09/04/24 08:30	09/05/24 09:44
400-261856-2	ACW-02A	Water	09/04/24 07:50	09/05/24 09:44
400-261856-3	ACW-04	Water	09/04/24 09:20	09/05/24 09:44
400-261856-4	ACW-05	Water	09/04/24 12:10	09/05/24 09:44
400-261856-5	ACW-06	Water	09/04/24 11:45	09/05/24 09:44
400-261856-6	ACW-07	Water	09/04/24 10:20	09/05/24 09:44
400-261856-7	ACW-09	Water	09/04/24 10:55	09/05/24 09:44
400-261856-8	ACW-10	Water	09/04/24 11:55	09/05/24 09:44
400-261856-9	ACW-11	Water	09/04/24 13:30	09/05/24 09:44
400-261856-10	ACW-12	Water	09/04/24 11:45	09/05/24 09:44
400-261856-11	ACW-13	Water	09/04/24 12:40	09/05/24 09:44
400-261856-12	ACW-14	Water	09/04/24 09:40	09/05/24 09:44
400-261856-13	ACW-15	Water	09/04/24 12:40	09/05/24 09:44
400-261856-14	ACW-16	Water	09/04/24 09:50	09/05/24 09:44
400-261856-15	ACW-17	Water	09/04/24 08:35	09/05/24 09:44
400-261856-16	ACW-18	Water	09/04/24 09:15	09/05/24 09:44
400-261856-17	ACW-19	Water	09/04/24 10:45	09/05/24 09:44
400-261856-18	ACW-20	Water	09/04/24 10:00	09/05/24 09:44
400-261856-19	ACW-21	Water	09/04/24 11:35	09/05/24 09:44
400-261856-20	ACW-22	Water	09/04/24 10:10	09/05/24 09:44
400-261856-21	ACW-23	Water	09/04/24 09:20	09/05/24 09:44
400-261856-22	ACW-24	Water	09/04/24 11:00	09/05/24 09:44
400-261856-23	ACW-25	Water	09/04/24 11:15	09/05/24 09:44
400-261856-24	ACW-26	Water	09/04/24 08:45	09/05/24 09:44
400-261856-25	ACW-27	Water	09/04/24 08:00	09/05/24 09:44
400-261856-26	ACW-28	Water	09/04/24 09:30	09/05/24 09:44
400-261856-27	ACW-29	Water	09/04/24 10:15	09/05/24 09:44
400-261856-28	ACW-30S	Water	09/04/24 07:40	09/05/24 09:44
400-261856-29	ACW-30D	Water	09/04/24 08:25	09/05/24 09:44
400-261856-30	ACW-32S	Water	09/04/24 07:50	09/05/24 09:44
400-261856-31	ACW-32D	Water	09/04/24 08:35	09/05/24 09:44
400-261856-32	ENSR-01	Water	09/04/24 10:25	09/05/24 09:44
400-261856-33	EDNG-01	Water	09/04/24 11:05	09/05/24 09:44
400-261856-34	PTP-01	Water	09/04/24 07:55	09/05/24 09:44
400-261856-35	DOOM WELL	Water	09/04/24 09:00	09/05/24 09:44
400-261856-36	FMR OXY WELL	Water	09/04/24 12:15	09/05/24 09:44
400-261856-37	DUP-01	Water	09/04/24 09:00	09/05/24 09:44
400-261856-38	DUP-02	Water	09/04/24 10:00	09/05/24 09:44
400-261856-39	DUP-03	Water	09/04/24 08:00	09/05/24 09:44
400-261856-40	DUP-04	Water	09/04/24 08:00	09/05/24 09:44
400-261856-41	TB_01	Water	09/04/24 00:00	09/05/24 09:44

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-01
Date Collected: 09/04/24 08:30
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.026**		0.0010	0.00024	mg/L			09/08/24 13:20	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 13:20	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 13:20	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 130*		*09/08/24 13:20*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*09/08/24 13:20*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/08/24 13:20*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8600**		200	150	mg/L			09/18/24 04:49	200

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**4700**		5.0	1.3	mg/L		09/11/24 11:48	09/12/24 11:20	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**17000**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**11000**		130	130	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-02A
Date Collected: 09/04/24 07:50
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0057		0.0010	0.00024	mg/L			09/08/24 13:44	1
Ethylbenzene	0.0014		0.0010	0.00050	mg/L			09/08/24 13:44	1
Toluene	0.0014		0.0010	0.00090	mg/L			09/08/24 13:44	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 130*		*09/08/24 13:44*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*09/08/24 13:44*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/08/24 13:44*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4100		100	74	mg/L			09/15/24 05:25	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	2900		5.0	1.3	mg/L		09/11/24 11:48	09/12/24 11:23	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	13000		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	8600		50	50	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	0.57		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	0.61		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-04
Date Collected: 09/04/24 09:20
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.018**		0.0010	0.00024	mg/L			09/08/24 14:09	1
Ethylbenzene	**0.0022**		0.0010	0.00050	mg/L			09/08/24 14:09	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 14:09	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*09/08/24 14:09*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*09/08/24 14:09*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/08/24 14:09*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77000**		5000	3700	mg/L			09/18/24 04:57	5000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**36000**		50	13	mg/L		09/13/24 11:14	09/16/24 14:09	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**110000**		20	20	umhos/cm			09/16/24 14:15	2
Total Dissolved Solids (SM 2540C)	**99000**		130	130	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-05
Date Collected: 09/04/24 12:10
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0063**		0.0010	0.00024	mg/L			09/08/24 14:33	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 14:33	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 14:33	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*09/08/24 14:33*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*09/08/24 14:33*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*09/08/24 14:33*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3400**		100	74	mg/L			09/18/24 05:06	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**1500**		5.0	1.3	mg/L		09/11/24 11:48	09/12/24 11:25	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**7600**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**5600**		50	50	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	**0.22**		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	**0.23**		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-06
Date Collected: 09/04/24 11:45
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00039**	**J**	0.0010	0.00024	mg/L			09/08/24 14:58	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 14:58	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 14:58	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*09/08/24 14:58*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*09/08/24 14:58*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/08/24 14:58*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		50	37	mg/L			09/15/24 06:08	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**1500**		5.0	1.3	mg/L		09/13/24 11:14	09/16/24 14:00	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**6200**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**3300**		50	50	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-07
Date Collected: 09/04/24 10:20
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.029		0.0010	0.00024	mg/L			09/08/24 15:22	1
Ethylbenzene	0.011		0.0010	0.00050	mg/L			09/08/24 15:22	1
Toluene	0.0081		0.0010	0.00090	mg/L			09/08/24 15:22	1
Xylenes, Total	0.0064	J	0.010	0.0060	mg/L			09/08/24 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 130*		*09/08/24 15:22*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*09/08/24 15:22*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/08/24 15:22*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2800		100	74	mg/L			09/18/24 05:14	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1900		5.0	1.3	mg/L		09/11/24 11:48	09/12/24 11:28	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	8000		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	4900		50	50	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	0.18		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	0.19		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-09
Date Collected: 09/04/24 10:55
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00039**	**J**	0.0010	0.00024	mg/L			09/08/24 15:47	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 15:47	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 15:47	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 130*		*09/08/24 15:47*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*09/08/24 15:47*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/08/24 15:47*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13000**		1000	740	mg/L			09/18/24 05:23	1000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**2900**		5.0	1.3	mg/L		09/13/24 11:14	09/16/24 14:02	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**21000**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**26000**		130	130	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	**0.12**		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	**0.12**		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-10
Date Collected: 09/04/24 11:55
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.019**		0.0010	0.00024	mg/L			09/08/24 16:11	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 16:11	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 16:11	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*09/08/24 16:11*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*09/08/24 16:11*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*09/08/24 16:11*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9200**		200	150	mg/L			09/18/24 05:48	200

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**2300**		5.0	1.3	mg/L		09/10/24 11:38	09/11/24 11:51	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**15000**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**17000**		130	130	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-11
Date Collected: 09/04/24 13:30
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.013**		0.0010	0.00024	mg/L			09/08/24 16:36	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 16:36	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 16:36	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*09/08/24 16:36*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*09/08/24 16:36*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/08/24 16:36*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25000**		2000	1500	mg/L			09/18/24 05:57	2000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**6900**		5.0	1.3	mg/L		09/10/24 11:38	09/11/24 11:54	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**35000**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**39000**		130	130	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-12
Date Collected: 09/04/24 11:45
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/08/24 17:00	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 17:00	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 17:00	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 130*		*09/08/24 17:00*	*1*
Dibromofluoromethane	*96*		*75 - 126*		*09/08/24 17:00*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/08/24 17:00*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2800**		100	74	mg/L			09/18/24 06:05	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**560**		0.50	0.13	mg/L		09/11/24 11:48	09/11/24 18:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**5500**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**5500**		50	50	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	**0.11**		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	**0.11**		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-13
Date Collected: 09/04/24 12:40
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/08/24 17:24	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 17:24	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 17:24	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 130*		*09/08/24 17:24*	*1*
Dibromofluoromethane	*96*		*75 - 126*		*09/08/24 17:24*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/08/24 17:24*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		50	37	mg/L			09/15/24 06:59	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**220**		0.50	0.13	mg/L		09/11/24 11:48	09/11/24 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**4200**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**4900**		25	25	mg/L			09/07/24 20:15	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-14
Date Collected: 09/04/24 09:40
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/08/24 17:49	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 17:49	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 17:49	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 130*		*09/08/24 17:49*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*09/08/24 17:49*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/08/24 17:49*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**310**		10	7.4	mg/L			09/15/24 07:07	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**130**		0.50	0.13	mg/L		09/11/24 15:42	09/12/24 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1200**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**780**		10	10	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-15
Date Collected: 09/04/24 12:40
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/08/24 18:13	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 18:13	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 18:13	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*09/08/24 18:13*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*09/08/24 18:13*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/08/24 18:13*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**380**		10	7.4	mg/L			09/15/24 07:16	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**110**		0.50	0.13	mg/L		09/10/24 11:38	09/10/24 16:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1300**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**910**		10	10	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-16
Date Collected: 09/04/24 09:50
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0011**		0.0010	0.00024	mg/L			09/09/24 09:31	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 09:31	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 09:31	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 09:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 130*		*09/09/24 09:31*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*09/09/24 09:31*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/09/24 09:31*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13000**		1000	740	mg/L			09/18/24 06:14	1000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**4300**		5.0	1.3	mg/L		09/10/24 11:38	09/11/24 11:56	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**21000**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**21000**		130	130	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	**0.061**	**J**	0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	**0.065**	**J**	0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-17
Date Collected: 09/04/24 08:35
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00049**	**J**	0.0010	0.00024	mg/L			09/09/24 09:55	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 09:55	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 09:55	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 09:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*09/09/24 09:55*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*09/09/24 09:55*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/09/24 09:55*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9800**		200	150	mg/L			09/18/24 06:22	200

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**1900**		5.0	1.3	mg/L		09/10/24 11:38	09/11/24 11:59	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**16000**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**14000**		50	50	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-18
Date Collected: 09/04/24 09:15
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00074**	**J**	0.0010	0.00024	mg/L			09/09/24 10:20	1
Ethylbenzene	**0.00076**	**J**	0.0010	0.00050	mg/L			09/09/24 10:20	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 10:20	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*09/09/24 10:20*	*1*
Dibromofluoromethane	*105*		*75 - 126*		*09/09/24 10:20*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/09/24 10:20*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67000**		2000	1500	mg/L			09/18/24 06:31	2000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**24000**		50	13	mg/L		09/10/24 11:38	09/11/24 13:52	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**77000**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**74000**		250	250	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-19
Date Collected: 09/04/24 10:45
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-17
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.020**		0.0010	0.00024	mg/L			09/09/24 10:44	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 10:44	1
Toluene	**0.0043**		0.0010	0.00090	mg/L			09/09/24 10:44	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 130*		*09/09/24 10:44*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*09/09/24 10:44*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/09/24 10:44*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		50	37	mg/L			09/16/24 17:30	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**710**		0.50	0.13	mg/L		09/10/24 11:38	09/10/24 16:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**4800**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**3300**		25	25	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-20
Date Collected: 09/04/24 10:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-18
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.041**		0.0010	0.00024	mg/L			09/09/24 11:09	1
Ethylbenzene	**0.0046**		0.0010	0.00050	mg/L			09/09/24 11:09	1
Toluene	**0.0050**		0.0010	0.00090	mg/L			09/09/24 11:09	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 130*		*09/09/24 11:09*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*09/09/24 11:09*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*09/09/24 11:09*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67000**		5000	3700	mg/L			09/18/24 06:39	5000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**42000**		50	13	mg/L		09/10/24 11:38	09/11/24 13:54	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**150000**		20	20	umhos/cm			09/18/24 15:46	2
Total Dissolved Solids (SM 2540C)	**100000**		250	250	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-21
Date Collected: 09/04/24 11:35
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-19
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.016**		0.0010	0.00024	mg/L			09/09/24 11:33	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 11:33	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 11:33	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 130*		*09/09/24 11:33*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*09/09/24 11:33*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/09/24 11:33*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**280**		20	15	mg/L			09/16/24 18:11	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**150**		0.50	0.13	mg/L		09/10/24 11:38	09/10/24 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1900**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**1100**		10	10	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	**0.20**		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	**0.21**		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-22
Date Collected: 09/04/24 10:10
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-20
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 13:11	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 13:11	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 13:11	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 130*		*09/09/24 13:11*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*09/09/24 13:11*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/09/24 13:11*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**340**		20	15	mg/L			09/16/24 18:32	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**330**		0.50	0.13	mg/L		09/10/24 11:38	09/10/24 16:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**2300**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**1300**		25	25	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-23
Date Collected: 09/04/24 09:20
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-21
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 13:35	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 13:35	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 13:35	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*09/09/24 13:35*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*09/09/24 13:35*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/09/24 13:35*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**570**		20	15	mg/L			09/16/24 18:54	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**310**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 17:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**3100**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**2000**		25	25	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-24
Date Collected: 09/04/24 11:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-22
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0017**	**J**	0.0050	0.0012	mg/L			09/08/24 11:42	5
Ethylbenzene	<0.0025		0.0050	0.0025	mg/L			09/08/24 11:42	5
Toluene	<0.0045		0.0050	0.0045	mg/L			09/08/24 11:42	5
Xylenes, Total	<0.030		0.050	0.030	mg/L			09/08/24 11:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 130*		*09/08/24 11:42*	*5*
Dibromofluoromethane	*96*		*75 - 126*		*09/08/24 11:42*	*5*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/08/24 11:42*	*5*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65000**		2000	1500	mg/L			09/18/24 06:48	2000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**32000**		50	13	mg/L		09/10/24 11:40	09/11/24 13:56	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**85000**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**81000**		250	250	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-25
Date Collected: 09/04/24 11:15
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-23
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.025**		0.0010	0.00024	mg/L			09/09/24 14:00	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 14:00	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 14:00	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*09/09/24 14:00*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*09/09/24 14:00*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*09/09/24 14:00*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29000**		1000	740	mg/L			09/18/24 06:56	1000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**7400**		5.0	1.3	mg/L		09/10/24 11:40	09/11/24 12:08	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**35000**		10	10	umhos/cm			09/16/24 14:15	1
Total Dissolved Solids (SM 2540C)	**44000**		250	250	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-26
Date Collected: 09/04/24 08:45
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-24
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 14:24	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 14:24	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 14:24	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*09/09/24 14:24*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*09/09/24 14:24*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/09/24 14:24*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**390**		20	15	mg/L			09/16/24 20:40	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**260**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1800**		10	10	umhos/cm			09/16/24 14:17	1
Total Dissolved Solids (SM 2540C)	**1100**		10	10	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-27
Date Collected: 09/04/24 08:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-25
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 14:49	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 14:49	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 14:49	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*09/09/24 14:49*	*1*
Dibromofluoromethane	*104*		*75 - 126*		*09/09/24 14:49*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/09/24 14:49*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1500**		50	37	mg/L			09/18/24 07:05	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**340**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 17:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**4100**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**3500**		25	25	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	**0.13**		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	**0.14**		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-28
Date Collected: 09/04/24 09:30
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-26
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 15:13	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 15:13	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 15:13	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 130*		*09/09/24 15:13*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*09/09/24 15:13*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/09/24 15:13*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29**		1.0	0.74	mg/L			09/16/24 21:22	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**56**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**600**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**390**		5.0	5.0	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-29
Date Collected: 09/04/24 10:15
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-27
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 15:38	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 15:38	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 15:38	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*72 - 130*		*09/09/24 15:38*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*09/09/24 15:38*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*09/09/24 15:38*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40**		5.0	3.7	mg/L			09/16/24 21:43	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**84**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 17:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**710**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**460**		5.0	5.0	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-30S
Date Collected: 09/04/24 07:40
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-28
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 16:02	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 16:02	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 16:02	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 130*		*09/09/24 16:02*	*1*
Dibromofluoromethane	*103*		*75 - 126*		*09/09/24 16:02*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*09/09/24 16:02*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79**		5.0	3.7	mg/L			09/16/24 22:04	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**64**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 18:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**800**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**530**		5.0	5.0	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-30D

Date Collected: 09/04/24 08:25
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-29

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0011**		0.0010	0.00024	mg/L			09/09/24 16:26	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 16:26	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 16:26	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 130*		*09/09/24 16:26*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*09/09/24 16:26*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*09/09/24 16:26*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23000**		1000	740	mg/L			09/18/24 07:56	1000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**6900**		5.0	1.3	mg/L		09/10/24 11:40	09/11/24 12:18	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**36000**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**26000**		250	250	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-32S

Date Collected: 09/04/24 07:50
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-30

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 16:51	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 16:51	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 16:51	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*09/09/24 16:51*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*09/09/24 16:51*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/09/24 16:51*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**710**		20	15	mg/L			09/16/24 22:47	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**240**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 18:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**3100**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**2200**		25	25	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-32D
Date Collected: 09/04/24 08:35
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-31
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 17:15	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 17:15	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 17:15	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 130*		*09/09/24 17:15*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*09/09/24 17:15*	*1*
Toluene-d8 (Surr)	*94*		*64 - 132*		*09/09/24 17:15*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**270**		20	15	mg/L			09/16/24 23:09	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**130**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 18:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1600**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**980**		10	10	mg/L			09/09/24 10:31	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ENSR-01
Date Collected: 09/04/24 10:25
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-32
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.011**		0.0010	0.00024	mg/L			09/09/24 17:40	1
Ethylbenzene	**0.0015**		0.0010	0.00050	mg/L			09/09/24 17:40	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 17:40	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*09/09/24 17:40*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*09/09/24 17:40*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/09/24 17:40*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4300**		100	74	mg/L			09/17/24 01:15	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**3300**		5.0	1.3	mg/L		09/10/24 11:40	09/11/24 12:21	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**14000**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**8900**		50	50	mg/L			09/10/24 14:43	1
Sulfide (SM 4500 S2 D)	**0.059**	**J**	0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	**0.062**	**J**	0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: EDNG-01
Date Collected: 09/04/24 11:05
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-33
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 18:04	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 18:04	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 18:04	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*09/09/24 18:04*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*09/09/24 18:04*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/09/24 18:04*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73**		5.0	3.7	mg/L			09/17/24 01:37	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**100**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**770**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**410**		5.0	5.0	mg/L			09/10/24 14:43	1
Sulfide (SM 4500 S2 D)	**0.21**		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	**0.23**		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: PTP-01
Date Collected: 09/04/24 07:55
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-34
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00027**	**J**	0.0010	0.00024	mg/L			09/09/24 18:29	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 18:29	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 18:29	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 130*		*09/09/24 18:29*	*1*
Dibromofluoromethane	*99*		*75 - 126*		*09/09/24 18:29*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*09/09/24 18:29*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**270**		20	15	mg/L			09/17/24 01:58	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**170**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 18:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**660**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**1000**		10	10	mg/L			09/10/24 14:43	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: DOOM WELL

Lab Sample ID: 400-261856-35
Matrix: Water
Date Collected: 09/04/24 09:00
Date Received: 09/05/24 09:44

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/11/24 17:48	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/11/24 17:48	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/11/24 17:48	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/11/24 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 130*		*09/11/24 17:48*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*09/11/24 17:48*	*1*
Toluene-d8 (Surr)	*90*		*64 - 132*		*09/11/24 17:48*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32**		5.0	3.7	mg/L			09/17/24 02:19	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**68**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**610**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**410**		5.0	5.0	mg/L			09/10/24 14:43	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: FMR OXY WELL

Lab Sample ID: 400-261856-36
Matrix: Water
Date Collected: 09/04/24 12:15
Date Received: 09/05/24 09:44

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/11/24 18:11	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/11/24 18:11	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/11/24 18:11	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/11/24 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 130*		*09/11/24 18:11*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*09/11/24 18:11*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*09/11/24 18:11*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22**		10	7.4	mg/L			09/17/24 02:40	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**96**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1100**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**740**		10	10	mg/L			09/10/24 14:43	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: DUP-01
Date Collected: 09/04/24 09:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-37
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/11/24 18:34	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/11/24 18:34	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/11/24 18:34	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/11/24 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 130*		*09/11/24 18:34*	*1*
Dibromofluoromethane	*108*		*75 - 126*		*09/11/24 18:34*	*1*
Toluene-d8 (Surr)	*88*		*64 - 132*		*09/11/24 18:34*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**360**		10	7.4	mg/L			09/17/24 03:01	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**260**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 18:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**2900**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**2800**		25	25	mg/L			09/10/24 14:43	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: DUP-02
Date Collected: 09/04/24 10:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-38
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0015**		0.0010	0.00024	mg/L			09/11/24 18:57	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/11/24 18:57	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/11/24 18:57	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/11/24 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*72 - 130*		*09/11/24 18:57*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*09/11/24 18:57*	*1*
Toluene-d8 (Surr)	*87*		*64 - 132*		*09/11/24 18:57*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21000**		1000	740	mg/L			09/18/24 08:04	1000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**6900**		5.0	1.3	mg/L		09/10/24 11:40	09/11/24 12:23	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**34000**		10	10	umhos/cm			09/18/24 15:46	1
Total Dissolved Solids (SM 2540C)	**36000**		250	250	mg/L			09/10/24 14:43	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: DUP-03
Date Collected: 09/04/24 08:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-39
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.056**		0.0010	0.00024	mg/L			09/11/24 19:20	1
Ethylbenzene	**0.0036**		0.0010	0.00050	mg/L			09/11/24 19:20	1
Toluene	**0.0046**		0.0010	0.00090	mg/L			09/11/24 19:20	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/11/24 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*72 - 130*		*09/11/24 19:20*	*1*
Dibromofluoromethane	*109*		*75 - 126*		*09/11/24 19:20*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*09/11/24 19:20*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94000**		2000	1500	mg/L			09/18/24 08:13	2000

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**41000**		50	13	mg/L		09/10/24 11:40	09/11/24 13:59	100

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**150000**		20	20	umhos/cm			09/18/24 16:01	2
Total Dissolved Solids (SM 2540C)	**92000**		250	250	mg/L			09/10/24 14:43	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: DUP-04
Date Collected: 09/04/24 08:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-40
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/11/24 19:42	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/11/24 19:42	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/11/24 19:42	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/11/24 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 130*		*09/11/24 19:42*	*1*
Dibromofluoromethane	*110*		*75 - 126*		*09/11/24 19:42*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*09/11/24 19:42*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48**		1.0	0.74	mg/L			09/19/24 09:09	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**73**		0.50	0.13	mg/L		09/10/24 11:40	09/10/24 18:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**730**		10	10	umhos/cm			09/18/24 16:01	1
Total Dissolved Solids (SM 2540C)	**540**		5.0	5.0	mg/L			09/10/24 14:43	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: TB_01
Date Collected: 09/04/24 00:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-41
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/12/24 09:22	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/12/24 09:22	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/12/24 09:22	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/12/24 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*72 - 130*		*09/12/24 09:22*	*1*
Dibromofluoromethane	*106*		*75 - 126*		*09/12/24 09:22*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*09/12/24 09:22*	*1*

Definitions/Glossary

Client: AECOM Job ID: 400-261856-1
Project/Site: Jal #4 Gas Plant

Qualifiers

GC/MS 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.

Metals

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

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Surrogate Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: 8260D - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-130)	(75-126)	(64-132)
400-261856-1	ACW-01	100	104	96
400-261856-2	ACW-02A	96	98	97
400-261856-3	ACW-04	94	101	97
400-261856-4	ACW-05	95	100	94
400-261856-5	ACW-06	92	101	97
400-261856-6	ACW-07	93	101	96
400-261856-7	ACW-09	91	103	96
400-261856-8	ACW-10	95	100	95
400-261856-9	ACW-11	94	99	98
400-261856-10	ACW-12	93	96	97
400-261856-11	ACW-13	96	96	96
400-261856-12	ACW-14	96	98	97
400-261856-13	ACW-15	95	102	99
400-261856-14	ACW-16	93	98	96
400-261856-15	ACW-17	92	101	98
400-261856-16	ACW-18	94	105	96
400-261856-16 MS	ACW-18	95	104	98
400-261856-16 MSD	ACW-18	91	104	97
400-261856-17	ACW-19	93	100	97
400-261856-18	ACW-20	93	103	95
400-261856-19	ACW-21	93	99	96
400-261856-20	ACW-22	91	102	97
400-261856-21	ACW-23	92	103	96
400-261856-22	ACW-24	97	96	96
400-261856-23	ACW-25	94	104	95
400-261856-24	ACW-26	92	102	96
400-261856-25	ACW-27	94	104	97
400-261856-26	ACW-28	94	103	97
400-261856-27	ACW-29	91	100	94
400-261856-28	ACW-30S	99	103	98
400-261856-29	ACW-30D	97	100	94
400-261856-30	ACW-32S	92	100	97
400-261856-31	ACW-32D	97	101	94
400-261856-32	ENSR-01	95	98	96
400-261856-33	EDNG-01	92	101	96
400-261856-34	PTP-01	97	99	99
400-261856-35	DOOM WELL	100	108	90
400-261856-36	FMR OXY WELL	97	109	87
400-261856-37	DUP-01	100	108	88
400-261856-38	DUP-02	99	109	87
400-261856-39	DUP-03	101	109	89
400-261856-40	DUP-04	100	110	89
400-261856-41	TB_01	100	106	91
LCS 400-683773/1002	Lab Control Sample	96	100	100
LCS 400-683802/1002	Lab Control Sample	93	101	97
LCS 400-684121/1002	Lab Control Sample	100	105	93
LCS 400-684210/1002	Lab Control Sample	100	103	92
MB 400-683773/4	Method Blank	95	100	97
MB 400-683802/4	Method Blank	92	101	96

Surrogate Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-130)	(75-126)	(64-132)
MB 400-684121/4	Method Blank	97	106	90
MB 400-684210/4	Method Blank	100	105	92

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-01
Date Collected: 09/04/24 08:30
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-1
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	8260D		1	5 mL	5 mL	683773	09/08/24 13:20	WPD	EET PEN
Total/NA	Analysis	9056A		200			684863	09/18/24 04:49	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110545	09/11/24 11:48	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110989	09/12/24 11:20	EB	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	2 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-02A
Date Collected: 09/04/24 07:50
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-2
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	8260D		1	5 mL	5 mL	683773	09/08/24 13:44	WPD	EET PEN
Total/NA	Analysis	9056A		100			684545	09/15/24 05:25	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110545	09/11/24 11:48	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110989	09/12/24 11:23	EB	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-04
Date Collected: 09/04/24 09:20
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-3
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	8260D		1	5 mL	5 mL	683773	09/08/24 14:09	WPD	EET PEN
Total/NA	Analysis	9056A		5000			684863	09/18/24 04:57	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	111041	09/13/24 11:14	JR	EET ORL
Total Recoverable	Analysis	6010D		100			111475	09/16/24 14:09	AS	EET ORL
Total/NA	Analysis	120.1		2			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	2 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-05
Date Collected: 09/04/24 12:10
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-4
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	8260D		1	5 mL	5 mL	683773	09/08/24 14:33	WPD	EET PEN
Total/NA	Analysis	9056A		100			684863	09/18/24 05:06	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110545	09/11/24 11:48	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110989	09/12/24 11:25	EB	EET ORL

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-05
Date Collected: 09/04/24 12:10
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-4
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	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-06
Date Collected: 09/04/24 11:45
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-5
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	8260D		1	5 mL	5 mL	683773	09/08/24 14:58	WPD	EET PEN
Total/NA	Analysis	9056A		50			684545	09/15/24 06:08	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	111041	09/13/24 11:14	JR	EET ORL
Total Recoverable	Analysis	6010D		10			111475	09/16/24 14:00	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-07
Date Collected: 09/04/24 10:20
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-6
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	8260D		1	5 mL	5 mL	683773	09/08/24 15:22	WPD	EET PEN
Total/NA	Analysis	9056A		100			684863	09/18/24 05:14	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110545	09/11/24 11:48	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110989	09/12/24 11:28	EB	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-09
Date Collected: 09/04/24 10:55
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-7
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	8260D		1	5 mL	5 mL	683773	09/08/24 15:47	WPD	EET PEN
Total/NA	Analysis	9056A		1000			684863	09/18/24 05:23	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	111041	09/13/24 11:14	JR	EET ORL
Total Recoverable	Analysis	6010D		10			111475	09/16/24 14:02	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	2 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-10
Date Collected: 09/04/24 11:55
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-8
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	8260D		1	5 mL	5 mL	683773	09/08/24 16:11	WPD	EET PEN
Total/NA	Analysis	9056A		200			684863	09/18/24 05:48	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110752	09/11/24 11:51	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	2 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-11
Date Collected: 09/04/24 13:30
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-9
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	8260D		1	5 mL	5 mL	683773	09/08/24 16:36	WPD	EET PEN
Total/NA	Analysis	9056A		2000			684863	09/18/24 05:57	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110752	09/11/24 11:54	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	2 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-12
Date Collected: 09/04/24 11:45
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-10
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	8260D		1	5 mL	5 mL	683773	09/08/24 17:00	WPD	EET PEN
Total/NA	Analysis	9056A		100			684863	09/18/24 06:05	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110545	09/11/24 11:48	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110752	09/11/24 18:12	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-13
Date Collected: 09/04/24 12:40
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-11
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	8260D		1	5 mL	5 mL	683773	09/08/24 17:24	WPD	EET PEN
Total/NA	Analysis	9056A		50			684545	09/15/24 06:59	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110545	09/11/24 11:48	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110752	09/11/24 18:24	AS	EET ORL

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Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-13
Date Collected: 09/04/24 12:40
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-11
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	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	683707	09/07/24 20:15	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-14
Date Collected: 09/04/24 09:40
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-12
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	8260D		1	5 mL	5 mL	683773	09/08/24 17:49	WPD	EET PEN
Total/NA	Analysis	9056A		10			684545	09/15/24 07:07	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110618	09/11/24 15:42	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110989	09/12/24 11:03	EB	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-15
Date Collected: 09/04/24 12:40
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-13
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	8260D		1	5 mL	5 mL	683773	09/08/24 18:13	WPD	EET PEN
Total/NA	Analysis	9056A		10			684545	09/15/24 07:16	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 16:31	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-16
Date Collected: 09/04/24 09:50
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-14
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	8260D		1	5 mL	5 mL	683802	09/09/24 09:31	WPD	EET PEN
Total/NA	Analysis	9056A		1000			684863	09/18/24 06:14	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110752	09/11/24 11:56	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	2 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-17
Date Collected: 09/04/24 08:35
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-15
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	8260D		1	5 mL	5 mL	683802	09/09/24 09:55	WPD	EET PEN
Total/NA	Analysis	9056A		200			684863	09/18/24 06:22	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110752	09/11/24 11:59	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-18
Date Collected: 09/04/24 09:15
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-16
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	8260D		1	5 mL	5 mL	683802	09/09/24 10:20	WPD	EET PEN
Total/NA	Analysis	9056A		2000			684863	09/18/24 06:31	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		100			110752	09/11/24 13:52	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-19
Date Collected: 09/04/24 10:45
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-17
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	8260D		1	5 mL	5 mL	683802	09/09/24 10:44	WPD	EET PEN
Total/NA	Analysis	9056A		50	10 mL	10 mL	684738	09/16/24 17:30	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 16:41	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-20
Date Collected: 09/04/24 10:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-18
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	8260D		1	5 mL	5 mL	683802	09/09/24 11:09	WPD	EET PEN
Total/NA	Analysis	9056A		5000			684863	09/18/24 06:39	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		100			110752	09/11/24 13:54	AS	EET ORL

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-20
Date Collected: 09/04/24 10:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-18
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	120.1		2			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-21
Date Collected: 09/04/24 11:35
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-19
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	8260D		1	5 mL	5 mL	683802	09/09/24 11:33	WPD	EET PEN
Total/NA	Analysis	9056A		20	10 mL	10 mL	684738	09/16/24 18:11	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 16:46	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-22
Date Collected: 09/04/24 10:10
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-20
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	8260D		1	5 mL	5 mL	683802	09/09/24 13:11	WPD	EET PEN
Total/NA	Analysis	9056A		20	10 mL	10 mL	684738	09/16/24 18:32	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110293	09/10/24 11:38	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 16:49	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683658	09/06/24 14:02	AC	EET PEN

Client Sample ID: ACW-23
Date Collected: 09/04/24 09:20
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-21
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	8260D		1	5 mL	5 mL	683802	09/09/24 13:35	WPD	EET PEN
Total/NA	Analysis	9056A		20	10 mL	10 mL	684738	09/16/24 18:54	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 17:43	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Lab Chronicle

Client: AECOM
Job ID: 400-261856-1
Project/Site: Jal #4 Gas Plant

Client Sample ID: ACW-24
Lab Sample ID: 400-261856-22
Date Collected: 09/04/24 11:00
Matrix: Water
Date Received: 09/05/24 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	683773	09/08/24 11:42	WPD	EET PEN
Total/NA	Analysis	9056A		2000			684863	09/18/24 06:48	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		100			110752	09/11/24 13:56	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: ACW-25
Lab Sample ID: 400-261856-23
Date Collected: 09/04/24 11:15
Matrix: Water
Date Received: 09/05/24 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	683802	09/09/24 14:00	WPD	EET PEN
Total/NA	Analysis	9056A		1000			684863	09/18/24 06:56	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110752	09/11/24 12:08	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:15	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: ACW-26
Lab Sample ID: 400-261856-24
Date Collected: 09/04/24 08:45
Matrix: Water
Date Received: 09/05/24 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	683802	09/09/24 14:24	WPD	EET PEN
Total/NA	Analysis	9056A		20	10 mL	10 mL	684738	09/16/24 20:40	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 17:50	AS	EET ORL
Total/NA	Analysis	120.1		1			684666	09/16/24 14:17	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: ACW-27
Lab Sample ID: 400-261856-25
Date Collected: 09/04/24 08:00
Matrix: Water
Date Received: 09/05/24 09:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	683802	09/09/24 14:49	WPD	EET PEN
Total/NA	Analysis	9056A		50			684863	09/18/24 07:05	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 17:52	AS	EET ORL

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-27
Date Collected: 09/04/24 08:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-25
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	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: ACW-28
Date Collected: 09/04/24 09:30
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-26
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	8260D		1	5 mL	5 mL	683802	09/09/24 15:13	WPD	EET PEN
Total/NA	Analysis	9056A		1	10 mL	10 mL	684738	09/16/24 21:22	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 17:55	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: ACW-29
Date Collected: 09/04/24 10:15
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-27
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	8260D		1	5 mL	5 mL	683802	09/09/24 15:38	WPD	EET PEN
Total/NA	Analysis	9056A		5	10 mL	10 mL	684738	09/16/24 21:43	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 17:57	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: ACW-30S
Date Collected: 09/04/24 07:40
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-28
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	8260D		1	5 mL	5 mL	683802	09/09/24 16:02	WPD	EET PEN
Total/NA	Analysis	9056A		5	10 mL	10 mL	684738	09/16/24 22:04	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 18:00	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ACW-30D
Date Collected: 09/04/24 08:25
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-29
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	8260D		1	5 mL	5 mL	683802	09/09/24 16:26	WPD	EET PEN
Total/NA	Analysis	9056A		1000			684867	09/18/24 07:56	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110752	09/11/24 12:18	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: ACW-32S
Date Collected: 09/04/24 07:50
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-30
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	8260D		1	5 mL	5 mL	683802	09/09/24 16:51	WPD	EET PEN
Total/NA	Analysis	9056A		20	10 mL	10 mL	684738	09/16/24 22:47	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 18:05	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: ACW-32D
Date Collected: 09/04/24 08:35
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-31
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	8260D		1	5 mL	5 mL	683802	09/09/24 17:15	WPD	EET PEN
Total/NA	Analysis	9056A		20	10 mL	10 mL	684738	09/16/24 23:09	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 18:14	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	683840	09/09/24 10:31	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: ENSR-01
Date Collected: 09/04/24 10:25
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-32
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	8260D		1	5 mL	5 mL	683802	09/09/24 17:40	WPD	EET PEN
Total/NA	Analysis	9056A		100	10 mL	10 mL	684748	09/17/24 01:15	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110752	09/11/24 12:21	AS	EET ORL

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: ENSR-01
Date Collected: 09/04/24 10:25
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-32
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	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	684005	09/10/24 14:43	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: EDNG-01
Date Collected: 09/04/24 11:05
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-33
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	8260D		1	5 mL	5 mL	683802	09/09/24 18:04	WPD	EET PEN
Total/NA	Analysis	9056A		5	10 mL	10 mL	684748	09/17/24 01:37	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 18:19	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	684005	09/10/24 14:43	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: PTP-01
Date Collected: 09/04/24 07:55
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-34
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	8260D		1	5 mL	5 mL	683802	09/09/24 18:29	WPD	EET PEN
Total/NA	Analysis	9056A		20	10 mL	10 mL	684748	09/17/24 01:58	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 18:22	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	684005	09/10/24 14:43	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: DOOM WELL
Date Collected: 09/04/24 09:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-35
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	8260D		1	5 mL	5 mL	684121	09/11/24 17:48	WPD	EET PEN
Total/NA	Analysis	9056A		5	10 mL	10 mL	684748	09/17/24 02:19	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 18:24	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	684005	09/10/24 14:43	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: FMR OXY WELL
Date Collected: 09/04/24 12:15
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-36
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	8260D		1	5 mL	5 mL	684121	09/11/24 18:11	WPD	EET PEN
Total/NA	Analysis	9056A		10	10 mL	10 mL	684748	09/17/24 02:40	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 18:27	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	684005	09/10/24 14:43	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: DUP-01
Date Collected: 09/04/24 09:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-37
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	8260D		1	5 mL	5 mL	684121	09/11/24 18:34	WPD	EET PEN
Total/NA	Analysis	9056A		10	10 mL	10 mL	684748	09/17/24 03:01	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 18:29	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	684005	09/10/24 14:43	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: DUP-02
Date Collected: 09/04/24 10:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-38
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	8260D		1	5 mL	5 mL	684121	09/11/24 18:57	WPD	EET PEN
Total/NA	Analysis	9056A		1000			684867	09/18/24 08:04	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		10			110752	09/11/24 12:23	AS	EET ORL
Total/NA	Analysis	120.1		1			684971	09/18/24 15:46	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	684005	09/10/24 14:43	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: DUP-03
Date Collected: 09/04/24 08:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-39
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	8260D		1	5 mL	5 mL	684121	09/11/24 19:20	WPD	EET PEN
Total/NA	Analysis	9056A		2000			684867	09/18/24 08:13	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		100			110752	09/11/24 13:59	AS	EET ORL

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Client Sample ID: DUP-03
Date Collected: 09/04/24 08:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-39
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	120.1		2			684973	09/18/24 16:01	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	684005	09/10/24 14:43	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: DUP-04
Date Collected: 09/04/24 08:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-40
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	8260D		1	5 mL	5 mL	684121	09/11/24 19:42	WPD	EET PEN
Total/NA	Analysis	9056A		1			685003	09/19/24 09:09	LHB	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	110294	09/10/24 11:40	JR	EET ORL
Total Recoverable	Analysis	6010D		1			110489	09/10/24 18:37	AS	EET ORL
Total/NA	Analysis	120.1		1			684973	09/18/24 16:01	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	684005	09/10/24 14:43	HA	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	683662	09/06/24 15:05	AC	EET PEN

Client Sample ID: TB_01
Date Collected: 09/04/24 00:00
Date Received: 09/05/24 09:44

Lab Sample ID: 400-261856-41
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	8260D		1	5 mL	5 mL	684210	09/12/24 09:22	WPD	EET PEN

Laboratory References:
EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

GC/MS VOA

Analysis Batch: 683773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-1	ACW-01	Total/NA	Water	8260D	
400-261856-2	ACW-02A	Total/NA	Water	8260D	
400-261856-3	ACW-04	Total/NA	Water	8260D	
400-261856-4	ACW-05	Total/NA	Water	8260D	
400-261856-5	ACW-06	Total/NA	Water	8260D	
400-261856-6	ACW-07	Total/NA	Water	8260D	
400-261856-7	ACW-09	Total/NA	Water	8260D	
400-261856-8	ACW-10	Total/NA	Water	8260D	
400-261856-9	ACW-11	Total/NA	Water	8260D	
400-261856-10	ACW-12	Total/NA	Water	8260D	
400-261856-11	ACW-13	Total/NA	Water	8260D	
400-261856-12	ACW-14	Total/NA	Water	8260D	
400-261856-13	ACW-15	Total/NA	Water	8260D	
400-261856-22	ACW-24	Total/NA	Water	8260D	
MB 400-683773/4	Method Blank	Total/NA	Water	8260D	
LCS 400-683773/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 683802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-14	ACW-16	Total/NA	Water	8260D	
400-261856-15	ACW-17	Total/NA	Water	8260D	
400-261856-16	ACW-18	Total/NA	Water	8260D	
400-261856-17	ACW-19	Total/NA	Water	8260D	
400-261856-18	ACW-20	Total/NA	Water	8260D	
400-261856-19	ACW-21	Total/NA	Water	8260D	
400-261856-20	ACW-22	Total/NA	Water	8260D	
400-261856-21	ACW-23	Total/NA	Water	8260D	
400-261856-23	ACW-25	Total/NA	Water	8260D	
400-261856-24	ACW-26	Total/NA	Water	8260D	
400-261856-25	ACW-27	Total/NA	Water	8260D	
400-261856-26	ACW-28	Total/NA	Water	8260D	
400-261856-27	ACW-29	Total/NA	Water	8260D	
400-261856-28	ACW-30S	Total/NA	Water	8260D	
400-261856-29	ACW-30D	Total/NA	Water	8260D	
400-261856-30	ACW-32S	Total/NA	Water	8260D	
400-261856-31	ACW-32D	Total/NA	Water	8260D	
400-261856-32	ENSR-01	Total/NA	Water	8260D	
400-261856-33	EDNG-01	Total/NA	Water	8260D	
400-261856-34	PTP-01	Total/NA	Water	8260D	
MB 400-683802/4	Method Blank	Total/NA	Water	8260D	
LCS 400-683802/1002	Lab Control Sample	Total/NA	Water	8260D	
400-261856-16 MS	ACW-18	Total/NA	Water	8260D	
400-261856-16 MSD	ACW-18	Total/NA	Water	8260D	

Analysis Batch: 684121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-35	DOOM WELL	Total/NA	Water	8260D	
400-261856-36	FMR OXY WELL	Total/NA	Water	8260D	
400-261856-37	DUP-01	Total/NA	Water	8260D	
400-261856-38	DUP-02	Total/NA	Water	8260D	
400-261856-39	DUP-03	Total/NA	Water	8260D	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

GC/MS VOA (Continued)

Analysis Batch: 684121 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-40	DUP-04	Total/NA	Water	8260D	
MB 400-684121/4	Method Blank	Total/NA	Water	8260D	
LCS 400-684121/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 684210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-41	TB_01	Total/NA	Water	8260D	
MB 400-684210/4	Method Blank	Total/NA	Water	8260D	
LCS 400-684210/1002	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 684545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-2	ACW-02A	Total/NA	Water	9056A	
400-261856-5	ACW-06	Total/NA	Water	9056A	
400-261856-11	ACW-13	Total/NA	Water	9056A	
400-261856-12	ACW-14	Total/NA	Water	9056A	
400-261856-13	ACW-15	Total/NA	Water	9056A	
MB 400-684545/77	Method Blank	Total/NA	Water	9056A	
LCS 400-684545/78	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-684545/79	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 684738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-17	ACW-19	Total/NA	Water	9056A	
400-261856-19	ACW-21	Total/NA	Water	9056A	
400-261856-20	ACW-22	Total/NA	Water	9056A	
400-261856-21	ACW-23	Total/NA	Water	9056A	
400-261856-24	ACW-26	Total/NA	Water	9056A	
400-261856-26	ACW-28	Total/NA	Water	9056A	
400-261856-27	ACW-29	Total/NA	Water	9056A	
400-261856-28	ACW-30S	Total/NA	Water	9056A	
400-261856-30	ACW-32S	Total/NA	Water	9056A	
400-261856-31	ACW-32D	Total/NA	Water	9056A	
MB 400-684738/5	Method Blank	Total/NA	Water	9056A	
LCS 400-684738/6	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-684738/7	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 684748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-32	ENSR-01	Total/NA	Water	9056A	
400-261856-33	EDNG-01	Total/NA	Water	9056A	
400-261856-34	PTP-01	Total/NA	Water	9056A	
400-261856-35	DOOM WELL	Total/NA	Water	9056A	
400-261856-36	FMR OXY WELL	Total/NA	Water	9056A	
400-261856-37	DUP-01	Total/NA	Water	9056A	
MB 400-684748/29	Method Blank	Total/NA	Water	9056A	
LCS 400-684748/30	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-684748/31	Lab Control Sample Dup	Total/NA	Water	9056A	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

HPLC/IC

Analysis Batch: 684863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-1	ACW-01	Total/NA	Water	9056A	
400-261856-3	ACW-04	Total/NA	Water	9056A	
400-261856-4	ACW-05	Total/NA	Water	9056A	
400-261856-6	ACW-07	Total/NA	Water	9056A	
400-261856-7	ACW-09	Total/NA	Water	9056A	
400-261856-8	ACW-10	Total/NA	Water	9056A	
400-261856-9	ACW-11	Total/NA	Water	9056A	
400-261856-10	ACW-12	Total/NA	Water	9056A	
400-261856-14	ACW-16	Total/NA	Water	9056A	
400-261856-15	ACW-17	Total/NA	Water	9056A	
400-261856-16	ACW-18	Total/NA	Water	9056A	
400-261856-18	ACW-20	Total/NA	Water	9056A	
400-261856-22	ACW-24	Total/NA	Water	9056A	
400-261856-23	ACW-25	Total/NA	Water	9056A	
400-261856-25	ACW-27	Total/NA	Water	9056A	
MB 400-684863/53	Method Blank	Total/NA	Water	9056A	
LCS 400-684863/54	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-684863/55	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 684867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-29	ACW-30D	Total/NA	Water	9056A	
400-261856-38	DUP-02	Total/NA	Water	9056A	
400-261856-39	DUP-03	Total/NA	Water	9056A	
MB 400-684867/77	Method Blank	Total/NA	Water	9056A	
LCS 400-684867/78	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-684867/79	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 685003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-40	DUP-04	Total/NA	Water	9056A	
MB 400-685003/77	Method Blank	Total/NA	Water	9056A	
LCS 400-685003/78	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-685003/79	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 110293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-8	ACW-10	Total Recoverable	Water	3005A	
400-261856-9	ACW-11	Total Recoverable	Water	3005A	
400-261856-13	ACW-15	Total Recoverable	Water	3005A	
400-261856-14	ACW-16	Total Recoverable	Water	3005A	
400-261856-15	ACW-17	Total Recoverable	Water	3005A	
400-261856-16	ACW-18	Total Recoverable	Water	3005A	
400-261856-17	ACW-19	Total Recoverable	Water	3005A	
400-261856-18	ACW-20	Total Recoverable	Water	3005A	
400-261856-19	ACW-21	Total Recoverable	Water	3005A	
400-261856-20	ACW-22	Total Recoverable	Water	3005A	
MB 670-110293/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-110293/1-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Metals (Continued)

Prep Batch: 110293 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 670-110293/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
400-261856-8 MS	ACW-10	Total Recoverable	Water	3005A	
400-261856-8 MSD	ACW-10	Total Recoverable	Water	3005A	

Prep Batch: 110294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-21	ACW-23	Total Recoverable	Water	3005A	
400-261856-22	ACW-24	Total Recoverable	Water	3005A	
400-261856-23	ACW-25	Total Recoverable	Water	3005A	
400-261856-24	ACW-26	Total Recoverable	Water	3005A	
400-261856-25	ACW-27	Total Recoverable	Water	3005A	
400-261856-26	ACW-28	Total Recoverable	Water	3005A	
400-261856-27	ACW-29	Total Recoverable	Water	3005A	
400-261856-28	ACW-30S	Total Recoverable	Water	3005A	
400-261856-29	ACW-30D	Total Recoverable	Water	3005A	
400-261856-30	ACW-32S	Total Recoverable	Water	3005A	
400-261856-31	ACW-32D	Total Recoverable	Water	3005A	
400-261856-32	ENSR-01	Total Recoverable	Water	3005A	
400-261856-33	EDNG-01	Total Recoverable	Water	3005A	
400-261856-34	PTP-01	Total Recoverable	Water	3005A	
400-261856-35	DOOM WELL	Total Recoverable	Water	3005A	
400-261856-36	FMR OXY WELL	Total Recoverable	Water	3005A	
400-261856-37	DUP-01	Total Recoverable	Water	3005A	
400-261856-38	DUP-02	Total Recoverable	Water	3005A	
400-261856-39	DUP-03	Total Recoverable	Water	3005A	
400-261856-40	DUP-04	Total Recoverable	Water	3005A	
MB 670-110294/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-110294/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-110294/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
400-261856-21 MS	ACW-23	Total Recoverable	Water	3005A	
400-261856-21 MSD	ACW-23	Total Recoverable	Water	3005A	

Analysis Batch: 110489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-13	ACW-15	Total Recoverable	Water	6010D	110293
400-261856-17	ACW-19	Total Recoverable	Water	6010D	110293
400-261856-19	ACW-21	Total Recoverable	Water	6010D	110293
400-261856-20	ACW-22	Total Recoverable	Water	6010D	110293
400-261856-21	ACW-23	Total Recoverable	Water	6010D	110294
400-261856-24	ACW-26	Total Recoverable	Water	6010D	110294
400-261856-25	ACW-27	Total Recoverable	Water	6010D	110294
400-261856-26	ACW-28	Total Recoverable	Water	6010D	110294
400-261856-27	ACW-29	Total Recoverable	Water	6010D	110294
400-261856-28	ACW-30S	Total Recoverable	Water	6010D	110294
400-261856-30	ACW-32S	Total Recoverable	Water	6010D	110294
400-261856-31	ACW-32D	Total Recoverable	Water	6010D	110294
400-261856-33	EDNG-01	Total Recoverable	Water	6010D	110294
400-261856-34	PTP-01	Total Recoverable	Water	6010D	110294
400-261856-35	DOOM WELL	Total Recoverable	Water	6010D	110294
400-261856-36	FMR OXY WELL	Total Recoverable	Water	6010D	110294
400-261856-37	DUP-01	Total Recoverable	Water	6010D	110294

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Metals (Continued)

Analysis Batch: 110489 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-40	DUP-04	Total Recoverable	Water	6010D	110294
MB 670-110293/3-A	Method Blank	Total Recoverable	Water	6010D	110293
MB 670-110294/3-A	Method Blank	Total Recoverable	Water	6010D	110294
LCS 670-110293/1-A	Lab Control Sample	Total Recoverable	Water	6010D	110293
LCS 670-110294/1-A	Lab Control Sample	Total Recoverable	Water	6010D	110294
LCSD 670-110293/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	110293
LCSD 670-110294/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	110294
400-261856-21 MS	ACW-23	Total Recoverable	Water	6010D	110294
400-261856-21 MSD	ACW-23	Total Recoverable	Water	6010D	110294

Prep Batch: 110545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-1	ACW-01	Total Recoverable	Water	3005A	
400-261856-2	ACW-02A	Total Recoverable	Water	3005A	
400-261856-4	ACW-05	Total Recoverable	Water	3005A	
400-261856-6	ACW-07	Total Recoverable	Water	3005A	
400-261856-10	ACW-12	Total Recoverable	Water	3005A	
400-261856-11	ACW-13	Total Recoverable	Water	3005A	
MB 670-110545/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-110545/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-110545/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
400-261856-10 MS	ACW-12	Total Recoverable	Water	3005A	
400-261856-10 MSD	ACW-12	Total Recoverable	Water	3005A	

Prep Batch: 110618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-12	ACW-14	Total Recoverable	Water	3005A	
MB 670-110618/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-110618/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-110618/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 110752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-8	ACW-10	Total Recoverable	Water	6010D	110293
400-261856-9	ACW-11	Total Recoverable	Water	6010D	110293
400-261856-10	ACW-12	Total Recoverable	Water	6010D	110545
400-261856-11	ACW-13	Total Recoverable	Water	6010D	110545
400-261856-14	ACW-16	Total Recoverable	Water	6010D	110293
400-261856-15	ACW-17	Total Recoverable	Water	6010D	110293
400-261856-16	ACW-18	Total Recoverable	Water	6010D	110293
400-261856-18	ACW-20	Total Recoverable	Water	6010D	110293
400-261856-22	ACW-24	Total Recoverable	Water	6010D	110294
400-261856-23	ACW-25	Total Recoverable	Water	6010D	110294
400-261856-29	ACW-30D	Total Recoverable	Water	6010D	110294
400-261856-32	ENSR-01	Total Recoverable	Water	6010D	110294
400-261856-38	DUP-02	Total Recoverable	Water	6010D	110294
400-261856-39	DUP-03	Total Recoverable	Water	6010D	110294
MB 670-110545/3-A	Method Blank	Total Recoverable	Water	6010D	110545
LCS 670-110545/1-A	Lab Control Sample	Total Recoverable	Water	6010D	110545
LCSD 670-110545/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	110545
400-261856-8 MS	ACW-10	Total Recoverable	Water	6010D	110293

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Metals (Continued)

Analysis Batch: 110752 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-8 MSD	ACW-10	Total Recoverable	Water	6010D	110293
400-261856-10 MS	ACW-12	Total Recoverable	Water	6010D	110545
400-261856-10 MSD	ACW-12	Total Recoverable	Water	6010D	110545

Analysis Batch: 110989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-1	ACW-01	Total Recoverable	Water	6010D	110545
400-261856-2	ACW-02A	Total Recoverable	Water	6010D	110545
400-261856-4	ACW-05	Total Recoverable	Water	6010D	110545
400-261856-6	ACW-07	Total Recoverable	Water	6010D	110545
400-261856-12	ACW-14	Total Recoverable	Water	6010D	110618
MB 670-110618/3-A	Method Blank	Total Recoverable	Water	6010D	110618
LCS 670-110618/1-A	Lab Control Sample	Total Recoverable	Water	6010D	110618
LCSD 670-110618/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	110618

Prep Batch: 111041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-3	ACW-04	Total Recoverable	Water	3005A	
400-261856-5	ACW-06	Total Recoverable	Water	3005A	
400-261856-7	ACW-09	Total Recoverable	Water	3005A	
MB 670-111041/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-111041/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-111041/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 111227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 670-111041/3-A	Method Blank	Total Recoverable	Water	6010D	111041
LCS 670-111041/1-A	Lab Control Sample	Total Recoverable	Water	6010D	111041
LCSD 670-111041/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	111041

Analysis Batch: 111475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-3	ACW-04	Total Recoverable	Water	6010D	111041
400-261856-5	ACW-06	Total Recoverable	Water	6010D	111041
400-261856-7	ACW-09	Total Recoverable	Water	6010D	111041

General Chemistry

Analysis Batch: 683658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-1	ACW-01	Total/NA	Water	SM 4500 S2 D	
400-261856-2	ACW-02A	Total/NA	Water	SM 4500 S2 D	
400-261856-3	ACW-04	Total/NA	Water	SM 4500 S2 D	
400-261856-4	ACW-05	Total/NA	Water	SM 4500 S2 D	
400-261856-5	ACW-06	Total/NA	Water	SM 4500 S2 D	
400-261856-6	ACW-07	Total/NA	Water	SM 4500 S2 D	
400-261856-7	ACW-09	Total/NA	Water	SM 4500 S2 D	
400-261856-8	ACW-10	Total/NA	Water	SM 4500 S2 D	
400-261856-9	ACW-11	Total/NA	Water	SM 4500 S2 D	
400-261856-10	ACW-12	Total/NA	Water	SM 4500 S2 D	
400-261856-11	ACW-13	Total/NA	Water	SM 4500 S2 D	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

General Chemistry (Continued)

Analysis Batch: 683658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-12	ACW-14	Total/NA	Water	SM 4500 S2 D	
400-261856-13	ACW-15	Total/NA	Water	SM 4500 S2 D	
400-261856-14	ACW-16	Total/NA	Water	SM 4500 S2 D	
400-261856-15	ACW-17	Total/NA	Water	SM 4500 S2 D	
400-261856-16	ACW-18	Total/NA	Water	SM 4500 S2 D	
400-261856-17	ACW-19	Total/NA	Water	SM 4500 S2 D	
400-261856-18	ACW-20	Total/NA	Water	SM 4500 S2 D	
400-261856-19	ACW-21	Total/NA	Water	SM 4500 S2 D	
400-261856-20	ACW-22	Total/NA	Water	SM 4500 S2 D	
MB 400-683658/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 400-683658/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
MRL 400-683658/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
400-261856-1 MS	ACW-01	Total/NA	Water	SM 4500 S2 D	
400-261856-1 MSD	ACW-01	Total/NA	Water	SM 4500 S2 D	
400-261856-11 MS	ACW-13	Total/NA	Water	SM 4500 S2 D	
400-261856-11 MSD	ACW-13	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 683662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-21	ACW-23	Total/NA	Water	SM 4500 S2 D	
400-261856-22	ACW-24	Total/NA	Water	SM 4500 S2 D	
400-261856-23	ACW-25	Total/NA	Water	SM 4500 S2 D	
400-261856-24	ACW-26	Total/NA	Water	SM 4500 S2 D	
400-261856-25	ACW-27	Total/NA	Water	SM 4500 S2 D	
400-261856-26	ACW-28	Total/NA	Water	SM 4500 S2 D	
400-261856-27	ACW-29	Total/NA	Water	SM 4500 S2 D	
400-261856-28	ACW-30S	Total/NA	Water	SM 4500 S2 D	
400-261856-29	ACW-30D	Total/NA	Water	SM 4500 S2 D	
400-261856-30	ACW-32S	Total/NA	Water	SM 4500 S2 D	
400-261856-31	ACW-32D	Total/NA	Water	SM 4500 S2 D	
400-261856-32	ENSR-01	Total/NA	Water	SM 4500 S2 D	
400-261856-33	EDNG-01	Total/NA	Water	SM 4500 S2 D	
400-261856-34	PTP-01	Total/NA	Water	SM 4500 S2 D	
400-261856-35	DOOM WELL	Total/NA	Water	SM 4500 S2 D	
400-261856-36	FMR OXY WELL	Total/NA	Water	SM 4500 S2 D	
400-261856-37	DUP-01	Total/NA	Water	SM 4500 S2 D	
400-261856-38	DUP-02	Total/NA	Water	SM 4500 S2 D	
400-261856-39	DUP-03	Total/NA	Water	SM 4500 S2 D	
400-261856-40	DUP-04	Total/NA	Water	SM 4500 S2 D	
MB 400-683662/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 400-683662/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
MRL 400-683662/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
400-261856-21 MS	ACW-23	Total/NA	Water	SM 4500 S2 D	
400-261856-21 MSD	ACW-23	Total/NA	Water	SM 4500 S2 D	
400-261856-31 MS	ACW-32D	Total/NA	Water	SM 4500 S2 D	
400-261856-31 MSD	ACW-32D	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 683707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-1	ACW-01	Total/NA	Water	SM 2540C	
400-261856-2	ACW-02A	Total/NA	Water	SM 2540C	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

General Chemistry (Continued)

Analysis Batch: 683707 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-3	ACW-04	Total/NA	Water	SM 2540C	
400-261856-4	ACW-05	Total/NA	Water	SM 2540C	
400-261856-5	ACW-06	Total/NA	Water	SM 2540C	
400-261856-6	ACW-07	Total/NA	Water	SM 2540C	
400-261856-7	ACW-09	Total/NA	Water	SM 2540C	
400-261856-8	ACW-10	Total/NA	Water	SM 2540C	
400-261856-9	ACW-11	Total/NA	Water	SM 2540C	
400-261856-10	ACW-12	Total/NA	Water	SM 2540C	
400-261856-11	ACW-13	Total/NA	Water	SM 2540C	
MB 400-683707/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-683707/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-261856-2 DU	ACW-02A	Total/NA	Water	SM 2540C	

Analysis Batch: 683840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-12	ACW-14	Total/NA	Water	SM 2540C	
400-261856-13	ACW-15	Total/NA	Water	SM 2540C	
400-261856-14	ACW-16	Total/NA	Water	SM 2540C	
400-261856-15	ACW-17	Total/NA	Water	SM 2540C	
400-261856-16	ACW-18	Total/NA	Water	SM 2540C	
400-261856-17	ACW-19	Total/NA	Water	SM 2540C	
400-261856-18	ACW-20	Total/NA	Water	SM 2540C	
400-261856-19	ACW-21	Total/NA	Water	SM 2540C	
400-261856-20	ACW-22	Total/NA	Water	SM 2540C	
400-261856-21	ACW-23	Total/NA	Water	SM 2540C	
400-261856-22	ACW-24	Total/NA	Water	SM 2540C	
400-261856-23	ACW-25	Total/NA	Water	SM 2540C	
400-261856-24	ACW-26	Total/NA	Water	SM 2540C	
400-261856-25	ACW-27	Total/NA	Water	SM 2540C	
400-261856-26	ACW-28	Total/NA	Water	SM 2540C	
400-261856-27	ACW-29	Total/NA	Water	SM 2540C	
400-261856-28	ACW-30S	Total/NA	Water	SM 2540C	
400-261856-29	ACW-30D	Total/NA	Water	SM 2540C	
400-261856-30	ACW-32S	Total/NA	Water	SM 2540C	
400-261856-31	ACW-32D	Total/NA	Water	SM 2540C	
MB 400-683840/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-683840/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-261856-12 DU	ACW-14	Total/NA	Water	SM 2540C	
400-261856-22 DU	ACW-24	Total/NA	Water	SM 2540C	

Analysis Batch: 684005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-32	ENSR-01	Total/NA	Water	SM 2540C	
400-261856-33	EDNG-01	Total/NA	Water	SM 2540C	
400-261856-34	PTP-01	Total/NA	Water	SM 2540C	
400-261856-35	DOOM WELL	Total/NA	Water	SM 2540C	
400-261856-36	FMR OXY WELL	Total/NA	Water	SM 2540C	
400-261856-37	DUP-01	Total/NA	Water	SM 2540C	
400-261856-38	DUP-02	Total/NA	Water	SM 2540C	
400-261856-39	DUP-03	Total/NA	Water	SM 2540C	
400-261856-40	DUP-04	Total/NA	Water	SM 2540C	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

General Chemistry (Continued)

Analysis Batch: 684005 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-684005/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-684005/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-261856-32 DU	ENSR-01	Total/NA	Water	SM 2540C	

Analysis Batch: 684666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-1	ACW-01	Total/NA	Water	120.1	
400-261856-2	ACW-02A	Total/NA	Water	120.1	
400-261856-3	ACW-04	Total/NA	Water	120.1	
400-261856-4	ACW-05	Total/NA	Water	120.1	
400-261856-5	ACW-06	Total/NA	Water	120.1	
400-261856-6	ACW-07	Total/NA	Water	120.1	
400-261856-7	ACW-09	Total/NA	Water	120.1	
400-261856-8	ACW-10	Total/NA	Water	120.1	
400-261856-9	ACW-11	Total/NA	Water	120.1	
400-261856-10	ACW-12	Total/NA	Water	120.1	
400-261856-11	ACW-13	Total/NA	Water	120.1	
400-261856-12	ACW-14	Total/NA	Water	120.1	
400-261856-13	ACW-15	Total/NA	Water	120.1	
400-261856-16	ACW-18	Total/NA	Water	120.1	
400-261856-17	ACW-19	Total/NA	Water	120.1	
400-261856-22	ACW-24	Total/NA	Water	120.1	
400-261856-23	ACW-25	Total/NA	Water	120.1	
400-261856-24	ACW-26	Total/NA	Water	120.1	
MB 400-684666/1	Method Blank	Total/NA	Water	120.1	
LCS 400-684666/2	Lab Control Sample	Total/NA	Water	120.1	
400-261856-9 DU	ACW-11	Total/NA	Water	120.1	

Analysis Batch: 684971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-14	ACW-16	Total/NA	Water	120.1	
400-261856-15	ACW-17	Total/NA	Water	120.1	
400-261856-18	ACW-20	Total/NA	Water	120.1	
400-261856-19	ACW-21	Total/NA	Water	120.1	
400-261856-20	ACW-22	Total/NA	Water	120.1	
400-261856-21	ACW-23	Total/NA	Water	120.1	
400-261856-25	ACW-27	Total/NA	Water	120.1	
400-261856-26	ACW-28	Total/NA	Water	120.1	
400-261856-27	ACW-29	Total/NA	Water	120.1	
400-261856-28	ACW-30S	Total/NA	Water	120.1	
400-261856-29	ACW-30D	Total/NA	Water	120.1	
400-261856-30	ACW-32S	Total/NA	Water	120.1	
400-261856-31	ACW-32D	Total/NA	Water	120.1	
400-261856-32	ENSR-01	Total/NA	Water	120.1	
400-261856-33	EDNG-01	Total/NA	Water	120.1	
400-261856-34	PTP-01	Total/NA	Water	120.1	
400-261856-35	DOOM WELL	Total/NA	Water	120.1	
400-261856-36	FMR OXY WELL	Total/NA	Water	120.1	
400-261856-37	DUP-01	Total/NA	Water	120.1	
400-261856-38	DUP-02	Total/NA	Water	120.1	
MB 400-684971/1	Method Blank	Total/NA	Water	120.1	

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

General Chemistry (Continued)

Analysis Batch: 684971 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-684971/2	Lab Control Sample	Total/NA	Water	120.1	
400-261856-14 DU	ACW-16	Total/NA	Water	120.1	
400-261856-29 DU	ACW-30D	Total/NA	Water	120.1	

Analysis Batch: 684973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-261856-39	DUP-03	Total/NA	Water	120.1	
400-261856-40	DUP-04	Total/NA	Water	120.1	
MB 400-684973/1	Method Blank	Total/NA	Water	120.1	
LCS 400-684973/2	Lab Control Sample	Total/NA	Water	120.1	
400-261856-39 DU	DUP-03	Total/NA	Water	120.1	

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-683773/4
Matrix: Water
Analysis Batch: 683773

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/08/24 08:51	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/08/24 08:51	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/08/24 08:51	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/08/24 08:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*09/08/24 08:51*	*1*
Dibromofluoromethane	*100*		*75 - 126*		*09/08/24 08:51*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*09/08/24 08:51*	*1*

Lab Sample ID: LCS 400-683773/1002
Matrix: Water
Analysis Batch: 683773

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0442		mg/L		88	70 - 130
Ethylbenzene	0.0500	0.0457		mg/L		91	70 - 130
Toluene	0.0500	0.0443		mg/L		89	70 - 130
Xylenes, Total	0.100	0.0924		mg/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*72 - 130*
Dibromofluoromethane	*100*		*75 - 126*
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: MB 400-683802/4
Matrix: Water
Analysis Batch: 683802

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/09/24 08:42	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/09/24 08:42	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/09/24 08:42	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/09/24 08:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*09/09/24 08:42*	*1*
Dibromofluoromethane	*101*		*75 - 126*		*09/09/24 08:42*	*1*
Toluene-d8 (Surr)	*96*		*64 - 132*		*09/09/24 08:42*	*1*

Lab Sample ID: LCS 400-683802/1002
Matrix: Water
Analysis Batch: 683802

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0429		mg/L		86	70 - 130
Ethylbenzene	0.0500	0.0448		mg/L		90	70 - 130
Toluene	0.0500	0.0435		mg/L		87	70 - 130

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

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

Lab Sample ID: LCS 400-683802/1002
Matrix: Water
Analysis Batch: 683802

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			0.100	0.0909		mg/L		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*72 - 130*
Dibromofluoromethane	*101*		*75 - 126*
Toluene-d8 (Surr)	*97*		*64 - 132*

Lab Sample ID: 400-261856-16 MS
Matrix: Water
Analysis Batch: 683802

Client Sample ID: ACW-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.00074	J	0.0500	0.0413		mg/L		81	56 - 142		
Ethylbenzene	0.00076	J	0.0500	0.0417		mg/L		82	58 - 131		
Toluene	<0.00090		0.0500	0.0410		mg/L		82	65 - 130		
Xylenes, Total	<0.0060		0.100	0.0821		mg/L		82	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*72 - 130*
Dibromofluoromethane	*104*		*75 - 126*
Toluene-d8 (Surr)	*98*		*64 - 132*

Lab Sample ID: 400-261856-16 MSD
Matrix: Water
Analysis Batch: 683802

Client Sample ID: ACW-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00074	J	0.0500	0.0405		mg/L		79	56 - 142	2	30
Ethylbenzene	0.00076	J	0.0500	0.0382		mg/L		75	58 - 131	9	30
Toluene	<0.00090		0.0500	0.0395		mg/L		79	65 - 130	4	30
Xylenes, Total	<0.0060		0.100	0.0740		mg/L		74	59 - 130	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*72 - 130*
Dibromofluoromethane	*104*		*75 - 126*
Toluene-d8 (Surr)	*97*		*64 - 132*

Lab Sample ID: MB 400-684121/4
Matrix: Water
Analysis Batch: 684121

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/11/24 12:07	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/11/24 12:07	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/11/24 12:07	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/11/24 12:07	1

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

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

Lab Sample ID: MB 400-684121/4
Matrix: Water
Analysis Batch: 684121

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 130		09/11/24 12:07	1
Dibromofluoromethane	106		75 - 126		09/11/24 12:07	1
Toluene-d8 (Surr)	90		64 - 132		09/11/24 12:07	1

Lab Sample ID: LCS 400-684121/1002
Matrix: Water
Analysis Batch: 684121

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0546		mg/L		109	70 - 130
Ethylbenzene	0.0500	0.0473		mg/L		95	70 - 130
Toluene	0.0500	0.0483		mg/L		97	70 - 130
Xylenes, Total	0.100	0.0923		mg/L		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		72 - 130
Dibromofluoromethane	105		75 - 126
Toluene-d8 (Surr)	93		64 - 132

Lab Sample ID: MB 400-684210/4
Matrix: Water
Analysis Batch: 684210

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00024		0.0010	0.00024	mg/L			09/12/24 08:13	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			09/12/24 08:13	1
Toluene	<0.00090		0.0010	0.00090	mg/L			09/12/24 08:13	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			09/12/24 08:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 130		09/12/24 08:13	1
Dibromofluoromethane	105		75 - 126		09/12/24 08:13	1
Toluene-d8 (Surr)	92		64 - 132		09/12/24 08:13	1

Lab Sample ID: LCS 400-684210/1002
Matrix: Water
Analysis Batch: 684210

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0574		mg/L		115	70 - 130
Ethylbenzene	0.0500	0.0477		mg/L		95	70 - 130
Toluene	0.0500	0.0478		mg/L		96	70 - 130
Xylenes, Total	0.100	0.0924		mg/L		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		72 - 130
Dibromofluoromethane	103		75 - 126

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

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

Lab Sample ID: LCS 400-684210/1002
Matrix: Water
Analysis Batch: 684210

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	92		64 - 132

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-684545/77
Matrix: Water
Analysis Batch: 684545

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.74		1.0	0.74	mg/L			09/15/24 04:26	1

Lab Sample ID: LCS 400-684545/78
Matrix: Water
Analysis Batch: 684545

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.6		mg/L		106	90 - 110

Lab Sample ID: LCSD 400-684545/79
Matrix: Water
Analysis Batch: 684545

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
Chloride	10.0	10.5		mg/L		105	90 - 110	1	15

Lab Sample ID: MB 400-684738/5
Matrix: Water
Analysis Batch: 684738

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.74		1.0	0.74	mg/L			09/16/24 15:42	1

Lab Sample ID: LCS 400-684738/6
Matrix: Water
Analysis Batch: 684738

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.73		mg/L		97	90 - 110

Lab Sample ID: LCSD 400-684738/7
Matrix: Water
Analysis Batch: 684738

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
Chloride	10.0	9.66		mg/L		97	90 - 110	1	15

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 400-684748/29
Matrix: Water
Analysis Batch: 684748

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.74		1.0	0.74	mg/L			09/17/24 00:11	1

Lab Sample ID: LCS 400-684748/30
Matrix: Water
Analysis Batch: 684748

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.65		mg/L		96	90 - 110

Lab Sample ID: LCSD 400-684748/31
Matrix: Water
Analysis Batch: 684748

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
Chloride	10.0	9.67		mg/L		97	90 - 110	0	15

Lab Sample ID: MB 400-684863/53
Matrix: Water
Analysis Batch: 684863

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.74		1.0	0.74	mg/L			09/18/24 04:06	1

Lab Sample ID: LCS 400-684863/54
Matrix: Water
Analysis Batch: 684863

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.3		mg/L		103	90 - 110

Lab Sample ID: LCSD 400-684863/55
Matrix: Water
Analysis Batch: 684863

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
Chloride	10.0	10.7		mg/L		107	90 - 110	4	15

Lab Sample ID: MB 400-684867/77
Matrix: Water
Analysis Batch: 684867

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.74		1.0	0.74	mg/L			09/18/24 07:30	1

Lab Sample ID: LCS 400-684867/78
Matrix: Water
Analysis Batch: 684867

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.5		mg/L		105	90 - 110

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: LCSD 400-684867/79
Matrix: Water
Analysis Batch: 684867

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
Chloride			10.0	10.4		mg/L		104	90 - 110	2	15

Lab Sample ID: MB 400-685003/77
Matrix: Water
Analysis Batch: 685003

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.74		1.0	0.74	mg/L			09/19/24 07:52	1

Lab Sample ID: LCS 400-685003/78
Matrix: Water
Analysis Batch: 685003

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			10.0	10.5		mg/L		105	90 - 110

Lab Sample ID: LCSD 400-685003/79
Matrix: Water
Analysis Batch: 685003

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
Chloride			10.0	10.3		mg/L		103	90 - 110	2	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-110293/3-A
Matrix: Water
Analysis Batch: 110489

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 110293

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.12		0.45	0.12	mg/L		09/10/24 11:38	09/10/24 16:19	1

Lab Sample ID: LCS 670-110293/1-A
Matrix: Water
Analysis Batch: 110489

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 110293

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium			10.1	10.5		mg/L		104	80 - 120

Lab Sample ID: LCSD 670-110293/2-A
Matrix: Water
Analysis Batch: 110489

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 110293

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium			10.1	10.5		mg/L		104	80 - 120	0	20

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 400-261856-8 MS
Matrix: Water
Analysis Batch: 110752

Client Sample ID: ACW-10
Prep Type: Total Recoverable
Prep Batch: 110293

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	2300		11.2	2220	4	mg/L		-630	70 - 120

Lab Sample ID: 400-261856-8 MSD
Matrix: Water
Analysis Batch: 110752

Client Sample ID: ACW-10
Prep Type: Total Recoverable
Prep Batch: 110293

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	2300		11.2	2220	4	mg/L		-606	70 - 120	0	20

Lab Sample ID: MB 670-110294/3-A
Matrix: Water
Analysis Batch: 110489

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 110294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.12		0.45	0.12	mg/L		09/10/24 11:40	09/10/24 17:35	1

Lab Sample ID: LCS 670-110294/1-A
Matrix: Water
Analysis Batch: 110489

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 110294

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.1	10.1		mg/L		100	80 - 120

Lab Sample ID: LCSD 670-110294/2-A
Matrix: Water
Analysis Batch: 110489

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 110294

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	10.1	10.1		mg/L		100	80 - 120	0	20

Lab Sample ID: 400-261856-21 MS
Matrix: Water
Analysis Batch: 110489

Client Sample ID: ACW-23
Prep Type: Total Recoverable
Prep Batch: 110294

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	310		11.2	327	4	mg/L		139	70 - 120

Lab Sample ID: 400-261856-21 MSD
Matrix: Water
Analysis Batch: 110489

Client Sample ID: ACW-23
Prep Type: Total Recoverable
Prep Batch: 110294

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	310		11.2	327	4	mg/L		140	70 - 120	0	20

Lab Sample ID: MB 670-110545/3-A
Matrix: Water
Analysis Batch: 110752

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 110545

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.12		0.45	0.12	mg/L		09/11/24 11:48	09/11/24 18:04	1

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 670-110545/1-A
Matrix: Water
Analysis Batch: 110752

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 110545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.1	10.1		mg/L		100	80 - 120

Lab Sample ID: LCSD 670-110545/2-A
Matrix: Water
Analysis Batch: 110752

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 110545

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	10.1	10.1		mg/L		100	80 - 120	0	20

Lab Sample ID: 400-261856-10 MS
Matrix: Water
Analysis Batch: 110752

Client Sample ID: ACW-12
Prep Type: Total Recoverable
Prep Batch: 110545

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	560		11.2	579	4	mg/L		124	70 - 120

Lab Sample ID: 400-261856-10 MSD
Matrix: Water
Analysis Batch: 110752

Client Sample ID: ACW-12
Prep Type: Total Recoverable
Prep Batch: 110545

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	560		11.2	574	4	mg/L		86	70 - 120	1	20

Lab Sample ID: MB 670-110618/3-A
Matrix: Water
Analysis Batch: 110989

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 110618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.12		0.45	0.12	mg/L		09/11/24 15:42	09/12/24 10:34	1

Lab Sample ID: LCS 670-110618/1-A
Matrix: Water
Analysis Batch: 110989

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 110618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.1	10.4		mg/L		103	80 - 120

Lab Sample ID: LCSD 670-110618/2-A
Matrix: Water
Analysis Batch: 110989

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 110618

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	10.1	10.3		mg/L		102	80 - 120	1	20

Lab Sample ID: MB 670-111041/3-A
Matrix: Water
Analysis Batch: 111227

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 111041

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.12		0.45	0.12	mg/L		09/13/24 11:14	09/13/24 23:11	1

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 670-111041/1-A
Matrix: Water
Analysis Batch: 111227

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 111041

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.1	10.2		mg/L		101	80 - 120

Lab Sample ID: LCSD 670-111041/2-A
Matrix: Water
Analysis Batch: 111227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 111041

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	10.1	10.2		mg/L		101	80 - 120	0	20

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-684666/1
Matrix: Water
Analysis Batch: 684666

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10		10	10	umhos/cm			09/16/24 14:15	1

Lab Sample ID: LCS 400-684666/2
Matrix: Water
Analysis Batch: 684666

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	10.0	10.2		umhos/cm		102	90 - 110

Lab Sample ID: 400-261856-9 DU
Matrix: Water
Analysis Batch: 684666

Client Sample ID: ACW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	35000		35000		umhos/cm		0.2	10

Lab Sample ID: MB 400-684971/1
Matrix: Water
Analysis Batch: 684971

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10		10	10	umhos/cm			09/18/24 15:45	1

Lab Sample ID: LCS 400-684971/2
Matrix: Water
Analysis Batch: 684971

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	10.0	10.7		umhos/cm		107	90 - 110

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: 120.1 - Conductivity, Specific Conductance (Continued)

Lab Sample ID: 400-261856-14 DU
Matrix: Water
Analysis Batch: 684971

Client Sample ID: ACW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	21000			20500		umhos/cm				0.1	10

Lab Sample ID: 400-261856-29 DU
Matrix: Water
Analysis Batch: 684971

Client Sample ID: ACW-30D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	36000			36200		umhos/cm				0.1	10

Lab Sample ID: MB 400-684973/1
Matrix: Water
Analysis Batch: 684973

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10		10	10	umhos/cm			09/18/24 15:58	1

Lab Sample ID: LCS 400-684973/2
Matrix: Water
Analysis Batch: 684973

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance			10.0	<10		umhos/cm		100	90 - 110		

Lab Sample ID: 400-261856-39 DU
Matrix: Water
Analysis Batch: 684973

Client Sample ID: DUP-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	150000			151000		umhos/cm				0.4	10

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-683707/1
Matrix: Water
Analysis Batch: 683707

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			09/07/24 09:25	1

Lab Sample ID: LCS 400-683707/2
Matrix: Water
Analysis Batch: 683707

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			293	286		mg/L		98	78 - 122		

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 400-261856-2 DU
Matrix: Water
Analysis Batch: 683707

Client Sample ID: ACW-02A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	8600			6960	F3	mg/L				21	5

Lab Sample ID: MB 400-683840/1
Matrix: Water
Analysis Batch: 683840

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			09/09/24 10:31	1

Lab Sample ID: LCS 400-683840/2
Matrix: Water
Analysis Batch: 683840

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			293	286		mg/L		98	78 - 122		

Lab Sample ID: 400-261856-12 DU
Matrix: Water
Analysis Batch: 683840

Client Sample ID: ACW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	780			768		mg/L				1	5

Lab Sample ID: 400-261856-22 DU
Matrix: Water
Analysis Batch: 683840

Client Sample ID: ACW-24
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	81000			81200		mg/L				0.1	5

Lab Sample ID: MB 400-684005/1
Matrix: Water
Analysis Batch: 684005

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			09/10/24 14:43	1

Lab Sample ID: LCS 400-684005/2
Matrix: Water
Analysis Batch: 684005

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			293	276		mg/L		94	78 - 122		

Lab Sample ID: 400-261856-32 DU
Matrix: Water
Analysis Batch: 684005

Client Sample ID: ENSR-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	8900			9160		mg/L				3	5

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 400-683658/3
Matrix: Water
Analysis Batch: 683658

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.057		0.10	0.057	mg/L			09/06/24 14:02	1
Sulfide as H2S	<0.061		0.11	0.061	mg/L			09/06/24 14:02	1

Lab Sample ID: LCS 400-683658/4
Matrix: Water
Analysis Batch: 683658

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.539	0.477		mg/L		89	80 - 120
Sulfide as H2S	0.539	0.506		mg/L		94	80 - 120

Lab Sample ID: MRL 400-683658/2
Matrix: Water
Analysis Batch: 683658

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.0996	0.109		mg/L		109	50 - 150
Sulfide as H2S	0.0996	0.115		mg/L		116	50 - 150

Lab Sample ID: 400-261856-1 MS
Matrix: Water
Analysis Batch: 683658

Client Sample ID: ACW-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.057		0.531	0.601		mg/L		113	75 - 125
Sulfide as H2S	<0.061		0.531	0.637		mg/L		120	75 - 125

Lab Sample ID: 400-261856-1 MSD
Matrix: Water
Analysis Batch: 683658

Client Sample ID: ACW-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.057		0.531	0.612		mg/L		115	75 - 125	2	25
Sulfide as H2S	<0.061		0.531	0.649		mg/L		122	75 - 125	2	25

Lab Sample ID: 400-261856-11 MS
Matrix: Water
Analysis Batch: 683658

Client Sample ID: ACW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.057		0.531	0.445		mg/L		84	75 - 125
Sulfide as H2S	<0.061		0.531	0.472		mg/L		89	75 - 125

Lab Sample ID: 400-261856-11 MSD
Matrix: Water
Analysis Batch: 683658

Client Sample ID: ACW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.057		0.531	0.467		mg/L		88	75 - 125	5	25
Sulfide as H2S	<0.061		0.531	0.495		mg/L		93	75 - 125	5	25

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-261856-1

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 400-683662/3
Matrix: Water
Analysis Batch: 683662

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.057		0.10	0.057	mg/L			09/06/24 15:05	1
Sulfide as H2S	<0.061		0.11	0.061	mg/L			09/06/24 15:05	1

Lab Sample ID: LCS 400-683662/4
Matrix: Water
Analysis Batch: 683662

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.539	0.528		mg/L		98	80 - 120
Sulfide as H2S	0.539	0.560		mg/L		104	80 - 120

Lab Sample ID: MRL 400-683662/2
Matrix: Water
Analysis Batch: 683662

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.0996	0.109		mg/L		109	50 - 150
Sulfide as H2S	0.0996	0.115		mg/L		116	50 - 150

Lab Sample ID: 400-261856-21 MS
Matrix: Water
Analysis Batch: 683662

Client Sample ID: ACW-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.057		0.531	0.517		mg/L		97	75 - 125
Sulfide as H2S	<0.061		0.531	0.548		mg/L		103	75 - 125

Lab Sample ID: 400-261856-21 MSD
Matrix: Water
Analysis Batch: 683662

Client Sample ID: ACW-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.057		0.531	0.507		mg/L		96	75 - 125	2	25
Sulfide as H2S	<0.061		0.531	0.538		mg/L		101	75 - 125	2	25

Lab Sample ID: 400-261856-31 MS
Matrix: Water
Analysis Batch: 683662

Client Sample ID: ACW-32D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.057		0.531	0.425		mg/L		80	75 - 125
Sulfide as H2S	<0.061		0.531	0.451		mg/L		85	75 - 125

Lab Sample ID: 400-261856-31 MSD
Matrix: Water
Analysis Batch: 683662

Client Sample ID: ACW-32D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.057		0.531	0.430		mg/L		81	75 - 125	1	25
Sulfide as H2S	<0.061		0.531	0.456		mg/L		86	75 - 125	1	25

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Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

400-261856 COC

Client Information	Sampler: Brian Hillin / HMI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-132859-43299.1
Client Contact: Joe Wiley	Phone: 713-653-3127	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 1 of 4
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP (3924 = Annual Event for S,H)	Project #: 40012867			
Site: cc Wallace.Gilmore@aecom.com	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
CB - ZnAcetate/NaOH
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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Total Number of containers	Special Instructions/Note:
		Preservation Code:					N	N	A	N	D	CB		
ACW-01	9-4-24	830	G	Water			✓	✓	✓	✓	✓	✓		
ACW-02A		750		Water			✓	✓	✓	✓	✓	✓		
ACW-04		920		Water			✓	✓	✓	✓	✓	✓		
ACW-05		1210		Water			✓	✓	✓	✓	✓	✓		
ACW-06		1145		Water			✓	✓	✓	✓	✓	✓		
ACW-07		1020		Water			✓	✓	✓	✓	✓	✓		
ACW-09		1055		Water			✓	✓	✓	✓	✓	✓		
ACW-10		1155		Water			✓	✓	✓	✓	✓	✓		
ACW-11		1330		Water			✓	✓	✓	✓	✓	✓		
ACW-12		1145		Water			✓	✓	✓	✓	✓	✓		
ACW-13		1240		Water			✓	✓	✓	✓	✓	✓		

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
	9-4-24 1600	HMI		9-5-24/ 0944	
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: 5.0, 4.0, 3.0°C IR11, 3.6°C, 2.2°C IR11

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Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Brian Hillin / HMI Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-132859-43299.2
Client Contact: Joe Wiley	Phone: 713-653-3127	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 2 of 4
Company: El Paso Energy Corporation	PWSID:	Analysis Requested		Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			Preservation Codes: N - None; A - HCL; D - HNO3; CB - ZnAcetate/NaOH
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site: CC Wallace.Gilmore@[redacted].com	SSOW#:			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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Perform MS/MSD (Yes or No)	Special Instructions/Note:
			Preservation Code:			N	N	A	N	D	CB		
ACW-14	9-4-24	940	G	Water		✓	✓	✓	✓	✓	✓		
ACW-15		1240		Water		✓	✓	✓	✓	✓	✓		
ACW-16		950		Water		✓	✓	✓	✓	✓	✓		
ACW-17		835		Water		✓	✓	✓	✓	✓	✓		
ACW-18		915		Water		✓	✓	✓	✓	✓	✓		
ACW-19		1045		Water		✓	✓	✓	✓	✓	✓		
ACW-20		1000		Water		✓	✓	✓	✓	✓	✓		
ACW-21		1135		Water		✓	✓	✓	✓	✓	✓		
ACW-22		1010		Water		✓	✓	✓	✓	✓	✓		
ACW-23		920		Water		✓	✓	✓	✓	✓	✓		
ACW-24		1100		Water		✓	✓	✓	✓	✓	✓		

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
	9-4-24 1600	HMI		9-5-24 / 0944	
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: 3.0° C IR 11

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Pensacola, FL 32514
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Chain of Custody Record

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Client Information	Sampler: Brian Hillin / HMT Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-132859-43299.3
Client Contact: Joe Wiley	Phone: 713-653-3127	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 3 of 4
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site: CC Wallace.Gilmore@aecom.com	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
CB - ZnAcetate/NaOH
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)	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Perform MS/MSD (Yes or No)	Special Instructions/Note:
			Preservation Code:			N	N	A	N	D	CB		
ACW-25	9-4-24	1115	G	Water		✓	✓	✓	✓	✓	✓		
ACW-26		845		Water		✓	✓	✓	✓	✓	✓		
ACW-27		800		Water		✓	✓	✓	✓	✓	✓		
ACW-28		930		Water		✓	✓	✓	✓	✓	✓		
ACW-29		1015		Water		✓	✓	✓	✓	✓	✓		
ACW-30S		740		Water		✓	✓	✓	✓	✓	✓		
ACW-30D		825		Water		✓	✓	✓	✓	✓	✓		
ACW-32S		750		Water		✓	✓	✓	✓	✓	✓		
ACW-32D		835		Water		✓	✓	✓	✓	✓	✓		
ENSR-01		1025		Water		✓	✓	✓	✓	✓	✓		
EPNG-01		1105		Water		✓	✓	✓	✓	✓	✓		

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
	9-4-24 1600	HMI		9-5-24 / 0944	
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: 3.0°C IR 11

Ver: 04/02/2024

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Pensacola, FL 32514
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Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Brian Hillin / HMT Team	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-132859-43299.4
Client Contact: Joe Wiley	Phone: 713-653-3127	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: NM	Page: Page 4 of 4
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: KM_ERG ARF_Template_Version 8_Jal_2Q202			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site: CC Wallace, Gilmore@aecom.com	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
CB - ZnAcetate/NaOH
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)	Total Number of Containers	9056A_ORGFM_28D - Chloride	2540C - (TDS)	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Special Instructions/Note:
			Preservation Code:			N	N	A	N	D	CB	
PTP-01	9-4-24	755	G	Water		✓	✓	✓	✓	✓	✓	
Doom well		900		Water		✓	✓	✓	✓	✓	✓	
Fmr OXY Well		1215		Water		✓	✓	✓	✓	✓	✓	
DUP-01		900		Water		✓	✓	✓	✓	✓	✓	
DUP-02		1000		Water		✓	✓	✓	✓	✓	✓	
DUP-03		800		Water		✓	✓	✓	✓	✓	✓	
DUP-04		800		Water		✓	✓	✓	✓	✓	✓	
TB-01		-		Water				✓				
				Water								
				Water								

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
	9-4-24 1600	HMT		9-5-24 / 0944	
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: 3.0° C IR11

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: AECOM Job Number: 400-261856-1

Login Number: 261856 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
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	5.0°C, 4.0°C, 3.0°C, 3.6°C, 2.2°C IR-11
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-261856-1
Project/Site: Jal #4 Gas Plant

Laboratory: Eurofins Pensacola

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Louisiana (All)	NELAP	30976	06-30-25
Texas	NELAP	T104704286	09-30-24

Laboratory: Eurofins Orlando

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	42800	06-30-25
Arkansas (DW)	State	FL00091	06-30-25
Florida	NELAP	E83018	06-30-25
Georgia (DW)	State	C055	07-01-25
Louisiana (DW)	State	LA039	12-31-24
Mississippi	State	MS00007	06-30-25
New Mexico	State	FL00091	09-16-24
North Carolina (DW)	State	12712	07-31-25
Tennessee	State	TN04930	06-30-25
Texas	NELAP	T104704571	02-28-25
Washington	State	C1089	10-19-24

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 4Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

Introduction:
This validation report documents the data review through the checklists below. Further identification and explanation of the anomalies identified are provided following each section of the checklist, as needed.

The field sample and laboratory identification associations are summarized in Table 1. A summary of qualified results is included in Table 2. Data are qualified per the definitions and reason codes presented in Attachment A.

Laboratory - Sample Delivery Groups:
Eurofins Environment Testing in Pensacola, Florida (Eurofins) – 400-267788-1

Methods:
Benzene, toluene, ethylbenzene, and xylenes (BTEX) (8260D), Sodium (6010D), Chloride (9056A), Total Dissolved Solids (TDS) [Standard Methods (SM) 2540D], Conductivity (120.1), Sulfide (SM4500 S2 D).

Validation:
Stage 2A Validation

Guidance Documents:
National Functional Guidelines for Organic Superfund Methods Data Review (November 2020), *National Function Guidelines for Inorganic Superfund Methods Data Review* (November 2020), laboratory quality control (QC) criteria, and method requirements, where applicable.

Overall Assessment of Data:
The data are considered usable with the qualifications and clarifications within this validation report. The overall assessment of data was acceptable and considered 100% complete.

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 4Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

1.0 Sample Documentation

Sample Documentation Criteria	Yes	No	NA
Were all samples documented correctly on the chain-of-custody (COC) and container labels?	X		
Were sample analyses completed per the COC?	X		
Were samples extracted and analyzed within the method required holding times?	X		
Laboratory Case Narrative	**Yes**	**No**	**NA**
Were there narrative clarifications not identified within this validation report?		X	

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 4Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

2.0 Quality Control and Performance Checks

Stage 2A			
Method Blank Criteria	**Yes**	**No**	**NA**
Was a method blank analyzed for each batch?	X		
Were method blank concentrations reported as non-detected for the target analytes?	X		
Laboratory Control Sample (LCS) Criteria	**Yes**	**No**	**NA**
Was an LCS reported with each preparation batch?	X		
Were LCS/LCSD recoveries and/or RPDs within laboratory control limits?	X		
Matrix Spike/Matrix Spike Duplicates (MS/MSD) Criteria	**Yes**	**No**	**NA**
Was an MS/MSD performed on a project specific sample?	X		
Parent Sample Identification	**Method**		
ACW-13	8260D		
For concentrations <4x the spike concentration, were MS/MSD recoveries and RPDs within criteria?	X		
Laboratory Duplicate Criteria (Inorganics)	**Yes**	**No**	**NA**
Was a laboratory duplicate performed on a project specific sample?	X		
Parent Sample Identification	**Method**		
ACW-14	2540D		
If both the parent sample and duplicate values were >5xRL, was laboratory duplicate RPD within acceptance criteria of <20%?	X		
If either the parent sample or duplicate value was <5xRL, was the absolute difference within acceptance criteria of <1xRL?			X
Surrogate Criteria (Organics)	**Yes**	**No**	**NA**
Were the surrogates within acceptance limits?	X		

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 4Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

3.0 Field Quality Control Samples

Verification Criteria		Yes	No	NA
Was a trip blank shipped with, and analyzed with the samples? (VOCs only)		X		
Were trip blank concentrations reported as non-detected for the target analytes?		X		
Were field and/or equipment blanks collected and analyzed? (Field blank VOCs only)				X
Were field QC blank concentrations reported as non-detected for the target analytes?				X
Field Duplicate Criteria		**Yes**	**No**	**NA**
Were field duplicate samples collected?		X		
Parent Sample	**Field Duplicate Sample**			
ACW-13	Dup-01			
Were parent sample/field duplicate RPDs ≤30% for analytes that had concentrations >5x the RL?			X[1]	
Were the differences between the parent sample/field duplicate <2xRL for analytes that had concentrations <5x the RL?				X

1. The following results did not meet field duplicate criteria:

Duplicate Pair Identification	Analyte	Sample Result	Duplicate Result	Criteria not Met
ACW-13/ DUP-01	Chloride	1300 mg/L	2000 mg/L	RPD <30%
	Total Dissolved Solids	2900 mg/L	4200 mg/L	

The associated results were qualified as estimated (J fd) due to field duplicate imprecision. A summary of qualified results is included in Table 2.

Data Validation Report

Project/Site: Kinder Morgan/Jal #4 Gas Plant RWIP
AECOM Chemist: Julie McCurdy
Secondary Reviewer: Jamie Herman

Event: 4Q2024 Water
Date: 2/11/2025
Date: 2/13/2025

4.0 Sensitivity and Additional Qualification

Sensitivity Criteria	Yes	No	NA
Was the laboratory sensitivity consistent with project requirements?	X		
Did all analytes meet sensitivity requirements?	X		
Additional Qualification Criteria	**Yes**	**No**	**NA**
Was professional judgment used to qualify data, if not addressed in Sections 1, 2, and 3?			X
Trace level detections, results reported between the method detection limit (MDL) and the reporting limit (RL) were qualified as estimated (J lq).	X		
Were multiple results reported?			X
Completeness Criteria	**Yes**	**No**	**NA**
Were the reported results usable if qualified?	X		
Were the analyses requested performed, the correct analyte lists used, and correct sample preparation and analyses methods and units utilized?	X		

Table 1: Summary of Samples

Sample Identification	Laboratory Identification	Collection Date	Sample Type	Analyses
ACW-13	400-267788-1	12/11/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-14	400-267788-2	12/11/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
ACW-15	400-267788-3	12/11/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
FMR. OXY WELL	400-267788-4	12/11/2024	Normal	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
DUP-01	400-267788-5	12/11/2024	Field Duplicate	8260D, 6010D, 9056A, SM2540C, 120.1, SM4500
TB-01	400-267788-6	12/11/2024	Trip Blank	8260D

Table 2: Summary of Qualified Results

Sample Identification	Laboratory Identification	Analytical Method	Analyte	Qualifier	Reason Code
ACW-13	400-267788-1	SM2540C	Total Dissolved Solids	J	fd
ACW-13	400-267788-1	6010D	Chloride	J	fd
FMR. OXY WELL	400-267788-4	8260D	Benzene	J	lq
Dup-01	400-267788-6	SM2540C	Total Dissolved Solids	J	fd
Dup-01	400-267788-6	6010D	Chloride	J	fd

Attachment A

DATA VALIDATION QUALIFIER DEFINITIONS

List of Possible Qualifiers Assigned by AECOM Data Review Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit, or the sample result was considered not-detected due to associated blank contamination.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity, but the result may be biased high.

J- The result is an estimated quantity, but the result may be biased low.

UJ The analyte was analyzed for, but was not detected. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.

R The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control (QC) criteria. The analyte may or may not be present in the sample.

REASON CODE DEFINITIONS

be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
c	Calibration issue
cl	Clean-up standard recovery
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
fd	Field duplicate imprecision
g	Chromatographic pattern match issue
h	Holding times
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
k	Estimated Maximum Possible Concentrations
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate imprecision (matrix duplicate, MSD, LCSD)
lq	Level of quantitation/trace value
m	Matrix spike recovery
nb	Negative laboratory blank contamination
p	Chemical preservation issue
pe	Post Extraction Spike
pj	Professional Judgement
q	Quantitation issue
r	Dual column RPD
rp	Re-extraction precision issue [PAHs only]
rt	SIM ions not within + 2 seconds
s	Surrogate/IDA recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
v	compound identification issue
y	Serial dilution results
z	ICS results

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Wallace Gilmore
AECOM
19219 Katy Freeway
Suite 100
Houston, Texas 77094

Generated 12/30/2024 9:12:30 PM

JOB DESCRIPTION

Jal #4 Gas Plant

JOB NUMBER

400-267788-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

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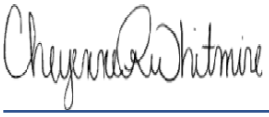
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Job Notes

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

Authorization



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Authorized for release by
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Client: AECOM
Project/Site: Jal #4 Gas Plant

Laboratory Job ID: 400-267788-1

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Case Narrative

Client: AECOM
Project: Jal #4 Gas Plant

Job ID: 400-267788-1

Job ID: 400-267788-1 Eurofins Pensacola

Job Narrative
400-267788-1

Receipt
The samples were received on 12/12/2024 9:32 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.2º C.

HPLC/IC
Method 9056A: The following samples were diluted due to high conductivity: ACW-13 (400-267788-1), ACW-14 (400-267788-2), ACW-15 (400-267788-3), FMR. OXY WELL (400-267788-4) and DUP-01 (400-267788-5). Elevated reporting limits (RL) are provided.

General Chemistry
Method SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 180-183968-D-1 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-694529 was outside control limits. Sample non-homogeneity is suspected.

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

Detection Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Client Sample ID: ACW-13 — Lab Sample ID: 400-267788-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1300		50	37	mg/L	50		9056A	Total/NA
Sodium	220		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	3900		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	2900		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-14 — Lab Sample ID: 400-267788-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	250		10	7.4	mg/L	10		9056A	Total/NA
Sodium	110		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1200		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	820		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: ACW-15 — Lab Sample ID: 400-267788-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	310		10	7.4	mg/L	10		9056A	Total/NA
Sodium	100		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1400		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	930		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: FMR. OXY WELL — Lab Sample ID: 400-267788-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00096	J	0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	210		10	7.4	mg/L	10		9056A	Total/NA
Sodium	90		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	1200		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	710		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-267788-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2000		50	37	mg/L	50		9056A	Total/NA
Sodium	210		0.50	0.13	mg/L	1		6010D	Total Recoverable
Specific Conductance	5200		10	10	umhos/cm	1		120.1	Total/NA
Total Dissolved Solids	4200		25	25	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TB-01 — Lab Sample ID: 400-267788-6

No Detections.

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
9056A	Anions, Ion Chromatography	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET ORL
120.1	Conductivity, Specific Conductance	EPA	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 S2 D	Sulfide, Total	SM	EET PEN
3005A	Preparation, Total Metals	SW846	EET ORL
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-267788-1	ACW-13	Water	12/11/24 09:00	12/12/24 09:32
400-267788-2	ACW-14	Water	12/11/24 07:55	12/12/24 09:32
400-267788-3	ACW-15	Water	12/11/24 09:55	12/12/24 09:32
400-267788-4	FMR. OXY WELL	Water	12/11/24 08:20	12/12/24 09:32
400-267788-5	DUP-01	Water	12/11/24 10:00	12/12/24 09:32
400-267788-6	TB-01	Water	12/11/24 08:00	12/12/24 09:32

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Client Sample ID: ACW-13
Date Collected: 12/11/24 09:00
Date Received: 12/12/24 09:32

Lab Sample ID: 400-267788-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 12:55	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 12:55	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/20/24 12:55	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			12/20/24 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*72 - 130*		*12/20/24 12:55*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*12/20/24 12:55*	*1*
Toluene-d8 (Surr)	*90*		*64 - 132*		*12/20/24 12:55*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1300**		50	37	mg/L			12/18/24 04:16	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**220**		0.50	0.13	mg/L		12/16/24 10:39	12/18/24 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**3900**		10	10	umhos/cm			12/23/24 14:23	1
Total Dissolved Solids (SM 2540C)	**2900**		25	25	mg/L			12/18/24 07:00	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			12/13/24 15:00	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			12/13/24 15:00	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Client Sample ID: ACW-14

Date Collected: 12/11/24 07:55
Date Received: 12/12/24 09:32

Lab Sample ID: 400-267788-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 14:43	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 14:43	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/20/24 14:43	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			12/20/24 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*72 - 130*		*12/20/24 14:43*	*1*
Dibromofluoromethane	*114*		*75 - 126*		*12/20/24 14:43*	*1*
Toluene-d8 (Surr)	*89*		*64 - 132*		*12/20/24 14:43*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		10	7.4	mg/L			12/18/24 04:24	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**110**		0.50	0.13	mg/L		12/16/24 10:39	12/18/24 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1200**		10	10	umhos/cm			12/23/24 14:23	1
Total Dissolved Solids (SM 2540C)	**820**		10	10	mg/L			12/18/24 07:00	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			12/13/24 15:00	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			12/13/24 15:00	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Client Sample ID: ACW-15
Date Collected: 12/11/24 09:55
Date Received: 12/12/24 09:32

Lab Sample ID: 400-267788-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 15:10	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 15:10	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/20/24 15:10	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			12/20/24 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*72 - 130*		*12/20/24 15:10*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*12/20/24 15:10*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*12/20/24 15:10*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**310**		10	7.4	mg/L			12/18/24 04:33	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**100**		0.50	0.13	mg/L		12/16/24 10:39	12/18/24 15:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1400**		10	10	umhos/cm			12/23/24 14:23	1
Total Dissolved Solids (SM 2540C)	**930**		10	10	mg/L			12/18/24 07:00	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			12/13/24 15:00	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			12/13/24 15:00	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Client Sample ID: FMR. OXY WELL

Date Collected: 12/11/24 08:20
Date Received: 12/12/24 09:32

Lab Sample ID: 400-267788-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00096**	**J**	0.0010	0.00050	mg/L			12/20/24 15:36	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 15:36	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/20/24 15:36	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			12/20/24 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*72 - 130*		*12/20/24 15:36*	*1*
Dibromofluoromethane	*115*		*75 - 126*		*12/20/24 15:36*	*1*
Toluene-d8 (Surr)	*92*		*64 - 132*		*12/20/24 15:36*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		10	7.4	mg/L			12/18/24 04:41	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**90**		0.50	0.13	mg/L		12/16/24 10:39	12/18/24 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**1200**		10	10	umhos/cm			12/23/24 14:23	1
Total Dissolved Solids (SM 2540C)	**710**		10	10	mg/L			12/18/24 07:00	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			12/13/24 15:00	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			12/13/24 15:00	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Client Sample ID: DUP-01
Date Collected: 12/11/24 10:00
Date Received: 12/12/24 09:32

Lab Sample ID: 400-267788-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 16:03	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 16:03	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/20/24 16:03	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			12/20/24 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*72 - 130*		*12/20/24 16:03*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*12/20/24 16:03*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*12/20/24 16:03*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2000**		50	37	mg/L			12/18/24 04:50	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**210**		0.50	0.13	mg/L		12/16/24 10:39	12/18/24 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (EPA 120.1)	**5200**		10	10	umhos/cm			12/23/24 14:23	1
Total Dissolved Solids (SM 2540C)	**4200**		25	25	mg/L			12/18/24 07:00	1
Sulfide (SM 4500 S2 D)	<0.057		0.10	0.057	mg/L			12/13/24 15:00	1
Sulfide as H2S (SM 4500 S2 D)	<0.061		0.11	0.061	mg/L			12/13/24 15:00	1

Client Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Client Sample ID: TB-01
Date Collected: 12/11/24 08:00
Date Received: 12/12/24 09:32

Lab Sample ID: 400-267788-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 16:30	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 16:30	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/20/24 16:30	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			12/20/24 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*72 - 130*		*12/20/24 16:30*	*1*
Dibromofluoromethane	*114*		*75 - 126*		*12/20/24 16:30*	*1*
Toluene-d8 (Surr)	*91*		*64 - 132*		*12/20/24 16:30*	*1*

Definitions/Glossary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Qualifiers

GC/MS 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.

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

Surrogate Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-130)	(75-126)	(64-132)
400-267788-1	ACW-13	84	113	90
400-267788-1 MS	ACW-13	84	110	92
400-267788-1 MSD	ACW-13	85	110	92
400-267788-2	ACW-14	84	114	89
400-267788-3	ACW-15	85	113	91
400-267788-4	FMR. OXY WELL	85	115	92
400-267788-5	DUP-01	84	113	91
400-267788-6	TB-01	86	114	91
LCS 400-694854/1002	Lab Control Sample	82	111	92
MB 400-694854/4	Method Blank	84	113	90

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: AECOM
Job ID: 400-267788-1
Project/Site: Jal #4 Gas Plant

Client Sample ID: ACW-13
Lab Sample ID: 400-267788-1
Date Collected: 12/11/24 09:00
Matrix: Water
Date Received: 12/12/24 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	694854	12/20/24 12:55	IMC	EET PEN
Total/NA	Analysis	9056A		50			694519	12/18/24 04:16	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	127119	12/16/24 10:39	JR	EET ORL
Total Recoverable	Analysis	6010D		1			127715	12/18/24 15:01	AS	EET ORL
Total/NA	Analysis	120.1		1			695136	12/23/24 14:23	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	694529	12/18/24 07:00	HG	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	694150	12/13/24 15:00	AC	EET PEN

Client Sample ID: ACW-14
Lab Sample ID: 400-267788-2
Date Collected: 12/11/24 07:55
Matrix: Water
Date Received: 12/12/24 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	694854	12/20/24 14:43	IMC	EET PEN
Total/NA	Analysis	9056A		10			694519	12/18/24 04:24	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	127119	12/16/24 10:39	JR	EET ORL
Total Recoverable	Analysis	6010D		1			127715	12/18/24 15:04	AS	EET ORL
Total/NA	Analysis	120.1		1			695136	12/23/24 14:23	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	694529	12/18/24 07:00	HG	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	694150	12/13/24 15:00	AC	EET PEN

Client Sample ID: ACW-15
Lab Sample ID: 400-267788-3
Date Collected: 12/11/24 09:55
Matrix: Water
Date Received: 12/12/24 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	694854	12/20/24 15:10	IMC	EET PEN
Total/NA	Analysis	9056A		10			694519	12/18/24 04:33	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	127119	12/16/24 10:39	JR	EET ORL
Total Recoverable	Analysis	6010D		1			127715	12/18/24 15:06	AS	EET ORL
Total/NA	Analysis	120.1		1			695136	12/23/24 14:23	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	694529	12/18/24 07:00	HG	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	694150	12/13/24 15:00	AC	EET PEN

Client Sample ID: FMR. OXY WELL
Lab Sample ID: 400-267788-4
Date Collected: 12/11/24 08:20
Matrix: Water
Date Received: 12/12/24 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	694854	12/20/24 15:36	IMC	EET PEN
Total/NA	Analysis	9056A		10			694519	12/18/24 04:41	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	127119	12/16/24 10:39	JR	EET ORL
Total Recoverable	Analysis	6010D		1			127715	12/18/24 15:09	AS	EET ORL

Eurofins Pensacola

Lab Chronicle

Client: AECOM
Job ID: 400-267788-1
Project/Site: Jal #4 Gas Plant

Client Sample ID: FMR. OXY WELL
Lab Sample ID: 400-267788-4
Date Collected: 12/11/24 08:20
Matrix: Water
Date Received: 12/12/24 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	120.1		1			695136	12/23/24 14:23	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	25 mL	50 mL	694529	12/18/24 07:00	HG	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	694150	12/13/24 15:00	AC	EET PEN

Client Sample ID: DUP-01
Lab Sample ID: 400-267788-5
Date Collected: 12/11/24 10:00
Matrix: Water
Date Received: 12/12/24 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	694854	12/20/24 16:03	IMC	EET PEN
Total/NA	Analysis	9056A		50			694519	12/18/24 04:50	AMM	EET PEN
Total Recoverable	Prep	3005A			45 mL	50 mL	127119	12/16/24 10:39	JR	EET ORL
Total Recoverable	Analysis	6010D		1			127715	12/18/24 15:11	AS	EET ORL
Total/NA	Analysis	120.1		1			695136	12/23/24 14:23	CAC	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	694529	12/18/24 07:00	HG	EET PEN
Total/NA	Analysis	SM 4500 S2 D		1	7.5 mL	7.5 mL	694150	12/13/24 15:00	AC	EET PEN

Client Sample ID: TB-01
Lab Sample ID: 400-267788-6
Date Collected: 12/11/24 08:00
Matrix: Water
Date Received: 12/12/24 09:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	694854	12/20/24 16:30	IMC	EET PEN

Laboratory References:
EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

GC/MS VOA

Analysis Batch: 694854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-267788-1	ACW-13	Total/NA	Water	8260D	
400-267788-2	ACW-14	Total/NA	Water	8260D	
400-267788-3	ACW-15	Total/NA	Water	8260D	
400-267788-4	FMR. OXY WELL	Total/NA	Water	8260D	
400-267788-5	DUP-01	Total/NA	Water	8260D	
400-267788-6	TB-01	Total/NA	Water	8260D	
MB 400-694854/4	Method Blank	Total/NA	Water	8260D	
LCS 400-694854/1002	Lab Control Sample	Total/NA	Water	8260D	
400-267788-1 MS	ACW-13	Total/NA	Water	8260D	
400-267788-1 MSD	ACW-13	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 694519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-267788-1	ACW-13	Total/NA	Water	9056A	
400-267788-2	ACW-14	Total/NA	Water	9056A	
400-267788-3	ACW-15	Total/NA	Water	9056A	
400-267788-4	FMR. OXY WELL	Total/NA	Water	9056A	
400-267788-5	DUP-01	Total/NA	Water	9056A	
MB 400-694519/43	Method Blank	Total/NA	Water	9056A	
LCS 400-694519/44	Lab Control Sample	Total/NA	Water	9056A	
LCSD 400-694519/45	Lab Control Sample Dup	Total/NA	Water	9056A	

Metals

Prep Batch: 127119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-267788-1	ACW-13	Total Recoverable	Water	3005A	
400-267788-2	ACW-14	Total Recoverable	Water	3005A	
400-267788-3	ACW-15	Total Recoverable	Water	3005A	
400-267788-4	FMR. OXY WELL	Total Recoverable	Water	3005A	
400-267788-5	DUP-01	Total Recoverable	Water	3005A	
MB 670-127119/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-127119/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-127119/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 127715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-267788-1	ACW-13	Total Recoverable	Water	6010D	127119
400-267788-2	ACW-14	Total Recoverable	Water	6010D	127119
400-267788-3	ACW-15	Total Recoverable	Water	6010D	127119
400-267788-4	FMR. OXY WELL	Total Recoverable	Water	6010D	127119
400-267788-5	DUP-01	Total Recoverable	Water	6010D	127119
MB 670-127119/3-A	Method Blank	Total Recoverable	Water	6010D	127119
LCS 670-127119/1-A	Lab Control Sample	Total Recoverable	Water	6010D	127119
LCSD 670-127119/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	127119

QC Association Summary

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

General Chemistry

Analysis Batch: 694150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-267788-1	ACW-13	Total/NA	Water	SM 4500 S2 D	
400-267788-2	ACW-14	Total/NA	Water	SM 4500 S2 D	
400-267788-3	ACW-15	Total/NA	Water	SM 4500 S2 D	
400-267788-4	FMR. OXY WELL	Total/NA	Water	SM 4500 S2 D	
400-267788-5	DUP-01	Total/NA	Water	SM 4500 S2 D	
MB 400-694150/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 400-694150/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
MRL 400-694150/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 694529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-267788-1	ACW-13	Total/NA	Water	SM 2540C	
400-267788-2	ACW-14	Total/NA	Water	SM 2540C	
400-267788-3	ACW-15	Total/NA	Water	SM 2540C	
400-267788-4	FMR. OXY WELL	Total/NA	Water	SM 2540C	
400-267788-5	DUP-01	Total/NA	Water	SM 2540C	
MB 400-694529/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-694529/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-267788-2 DU	ACW-14	Total/NA	Water	SM 2540C	

Analysis Batch: 695136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-267788-1	ACW-13	Total/NA	Water	120.1	
400-267788-2	ACW-14	Total/NA	Water	120.1	
400-267788-3	ACW-15	Total/NA	Water	120.1	
400-267788-4	FMR. OXY WELL	Total/NA	Water	120.1	
400-267788-5	DUP-01	Total/NA	Water	120.1	
MB 400-695136/1	Method Blank	Total/NA	Water	120.1	
LCS 400-695136/2	Lab Control Sample	Total/NA	Water	120.1	

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-694854/4
Matrix: Water
Analysis Batch: 694854

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 11:55	1
Ethylbenzene	<0.00050		0.0010	0.00050	mg/L			12/20/24 11:55	1
Toluene	<0.00090		0.0010	0.00090	mg/L			12/20/24 11:55	1
Xylenes, Total	<0.0060		0.010	0.0060	mg/L			12/20/24 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*72 - 130*		*12/20/24 11:55*	*1*
Dibromofluoromethane	*113*		*75 - 126*		*12/20/24 11:55*	*1*
Toluene-d8 (Surr)	*90*		*64 - 132*		*12/20/24 11:55*	*1*

Lab Sample ID: LCS 400-694854/1002
Matrix: Water
Analysis Batch: 694854

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.0456		mg/L		91	70 - 130		
Ethylbenzene			0.0500	0.0484		mg/L		97	70 - 130		
Toluene			0.0500	0.0462		mg/L		92	70 - 130		
Xylenes, Total			0.100	0.0981		mg/L		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*82*		*72 - 130*
Dibromofluoromethane	*111*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: 400-267788-1 MS
Matrix: Water
Analysis Batch: 694854

Client Sample ID: ACW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00050		0.0500	0.0494		mg/L		99	56 - 142		
Ethylbenzene	<0.00050		0.0500	0.0387		mg/L		77	58 - 131		
Toluene	<0.00090		0.0500	0.0435		mg/L		87	65 - 130		
Xylenes, Total	<0.0060		0.100	0.0806		mg/L		81	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*84*		*72 - 130*
Dibromofluoromethane	*110*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Lab Sample ID: 400-267788-1 MSD
Matrix: Water
Analysis Batch: 694854

Client Sample ID: ACW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00050		0.0500	0.0412		mg/L		82	56 - 142	18	30
Ethylbenzene	<0.00050		0.0500	0.0370		mg/L		74	58 - 131	5	30
Toluene	<0.00090		0.0500	0.0380		mg/L		76	65 - 130	13	30

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

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

Lab Sample ID: 400-267788-1 MSD — **Client Sample ID: ACW-13**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 694854

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	<0.0060		0.100	0.0756		mg/L		76	59 - 130	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*72 - 130*
Dibromofluoromethane	*110*		*75 - 126*
Toluene-d8 (Surr)	*92*		*64 - 132*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 400-694519/43 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 694519

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.74		1.0	0.74	mg/L			12/18/24 01:51	1

Lab Sample ID: LCS 400-694519/44 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 694519

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.11		mg/L		91	90 - 110

Lab Sample ID: LCSD 400-694519/45 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 694519

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.05		mg/L		90	90 - 110	1	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-127119/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 127715 — **Prep Batch: 127119**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.12		0.45	0.12	mg/L		12/16/24 10:39	12/18/24 14:42	1

Lab Sample ID: LCS 670-127119/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 127715 — **Prep Batch: 127119**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	10.1	9.83		mg/L		97	80 - 120

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 670-127119/2-A
Matrix: Water
Analysis Batch: 127715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 127119

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium			10.1	9.90		mg/L		98	80 - 120	1	20

Method: 120.1 - Conductivity, Specific Conductance

Lab Sample ID: MB 400-695136/1
Matrix: Water
Analysis Batch: 695136

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10		10	10	umhos/cm			12/23/24 14:21	1

Lab Sample ID: LCS 400-695136/2
Matrix: Water
Analysis Batch: 695136

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance			10.0	10.1		umhos/cm		101	90 - 110		

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-694529/1
Matrix: Water
Analysis Batch: 694529

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<5.0		5.0	5.0	mg/L			12/18/24 07:00	1

Lab Sample ID: LCS 400-694529/2
Matrix: Water
Analysis Batch: 694529

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			293	288		mg/L		98	78 - 122		

Lab Sample ID: 400-267788-2 DU
Matrix: Water
Analysis Batch: 694529

Client Sample ID: ACW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	820			792		mg/L				3	5

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 400-694150/3
Matrix: Water
Analysis Batch: 694150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.057		0.10	0.057	mg/L			12/13/24 15:00	1
Sulfide as H2S	<0.061		0.11	0.061	mg/L			12/13/24 15:00	1

QC Sample Results

Client: AECOM
Project/Site: Jal #4 Gas Plant

Job ID: 400-267788-1

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: LCS 400-694150/4
Matrix: Water
Analysis Batch: 694150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.536	0.583		mg/L		109	80 - 120
Sulfide as H2S	0.536	0.618		mg/L		115	80 - 120

Lab Sample ID: MRL 400-694150/2
Matrix: Water
Analysis Batch: 694150

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.0997	0.103		mg/L		104	50 - 150
Sulfide as H2S	0.0997	0.110		mg/L		110	50 - 150

Released to Imaging: 9/2/2025 11:15:22 AM
Received by OCD: 3/27/2025 11:08:08 AM

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3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

400-267788 COC

Client Information	Sampler: Mason Bond / HMI Team	Lab PM: Whitmire, Cheyenne R	ier Tracking No(s):	COC No: 400-135256-43299.1
Client Contact: Joe Wiley	Phone: 281-725-4825	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: El Paso Energy Corporation	PWSID:			Job #:
Address: 1001 Louisiana Street Room S1905B	Due Date Requested:			
City: Houston	TAT Requested (days):			
State, Zip: TX, 77002	Compliance Project: Δ Yes Δ No			
Phone: 713-520-990(Tel) 713-520-680(Fax)	PO #: WD1040015			
Email: joe.wiley@kindermorgan.com	WO #: ARF Version 8_2-14-2023			
Project Name: Jal #4 Gas Plant RWIP	Project #: 40012867			
Site: CC: wallace.gilmore@aecom.com	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
D - HNO3
CB - ZnAcetate/NaOH

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)	9056A_ORGFM_28D - Chloride	2540C - TDS	8260D - BTEX	120.1 - Specific Conductance	6010D - Sodium	SM4500_S2_D - Sulfide, Total	Perform MS/MSD (Yes or No)	Special Instructions/Note:
			Preservation Code:		X	N	N	A	N	D	CB	X	
ACW-13	12/11/24	900	G	Water		X	X	X	X	X	X		
ACW-14		755		Water		X	X	X	X	X	X		
ACW-15		955		Water		X	X	X	X	X	X		
Doom well				Water		X	X	X	X	X	X		Not Sampled
Fmr. Oxy well		820		Water		X	X	X	X	X	X		
Dup-01		1000	↓	Water		X	X	X	X	X	X		
TB-01	↓	—	—	Water				X					

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
[signature]	12/11/24 1900	HMI	[signature]	12-12-24 / 0932	
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: 0.2° C IR10

Ver: 10/10/2024

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
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Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s): N/A	COC No: 400-366018.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Louisiana (All); NELAP - Texas		Job #: 400-267788-1
Address: 481 Newburyport Avenue, ,	Due Date Requested: 12/26/2024			Preservation Codes: -
City: Altamonte Springs	TAT Requested (days): N/A			
State, Zip: FL, 32701				
Phone: 407-339-5984(Tel) 407-260-6110(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Jal #4 Gas Plant	Project #: 40012867			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	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)	6010D/3005A Sodium	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
ACW-13 (400-267788-1)	12/11/24	09:00 Mountain	G	Water			X	1	
ACW-14 (400-267788-2)	12/11/24	07:55 Mountain	G	Water			X	1	
ACW-15 (400-267788-3)	12/11/24	09:55 Mountain	G	Water			X	1	
FMR. OXY WELL (400-267788-4)	12/11/24	08:20 Mountain	G	Water			X	1	
DUP-01 (400-267788-5)	12/11/24	10:00 Mountain	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	12/13/24 1700	ETS	[signature]	12/14/24 930	
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: 3.1/2.4 Sop

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: AECOM Job Number: 400-267788-1

Login Number: 267788 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
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	0.2°C IR-10
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM
Job ID: 400-267788-1
Project/Site: Jal #4 Gas Plant

Laboratory: Eurofins Pensacola

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Louisiana (All)	NELAP	30976	06-30-25
Texas	NELAP	T104704286	09-30-25

Laboratory: Eurofins Orlando

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	42800	06-30-25
Arkansas (DW)	State	FL00091	12-18-24
Florida	NELAP	E83018	06-30-25
Georgia (DW)	State	C055	07-01-25
Louisiana (DW)	State	LA039	12-31-24
Mississippi	State	MS00007	06-30-25
New Mexico	State	FL00091	07-02-25
North Carolina (DW)	State	12712	07-31-25
Tennessee	State	TN04930	06-30-25
Texas	NELAP	T104704571	02-28-25

AECOM Technical Services, Inc.
19219 Katy Freeway, Suite 100
Houston, Texas 77094

Phone: 281-646-2400

aecom.com

Released to Imaging: 9/2/2025 11:15:22 AM

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

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 446282
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Report accepted for record.	9/2/2025
amaxwell	On July 30, 2024, OCD requested that a new abatement plan be submitted. An Alternative Abatement Standard (AAS) for chloride was denied on 2/25/2025. However, per the July 30, 2024, OCD request, "To date, OCD has not received a remediation work plan to address an abatement option, which was requested on 05/17/2023 and was supposed to be received no later than 12/29/2023. 4. Please submit an abatement option work plan with a chosen abatement option to OCD within ninety (90) days from todays' date 07/30/2024; no later than 10/28/2024. Failure to do so may result in a fine, citation or Notice of Violation." Submittal of an abatement plan is still required.	9/2/2025
amaxwell	Submit an abatement plan by November 3, 2025. • Stage I Abatement plans will need to include detailed wellbore construction and completion for each planned well.• Provide a timeline to when work is to be completed. If initial well installation does not fully delineate the extent of contamination, an alternative timeline must be presented. OCD is requiring full delineation of contamination.• Per 19.15.30.15 NMAC, a public notice is required. Attach a draft public notice per 19.16.30.15 NMAC for OCD to review.	9/2/2025
amaxwell	Transition from submitting annual monitoring and sampling reports to submitting quarterly monitoring and sampling reports.	9/2/2025
amaxwell	Submit a C-141N for all future sampling and monitoring events.	9/2/2025